T_g [°C]	T_g [°F]
187.2	368.96
187.34	369.21
183.32	361.98
182.13	359.83
189.4	372.92
189.21	372.58
185.1	365.18
184.95	364.91
190	

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Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	WT	MH	CTD

Test Group: AITR1392-PWC1-WT-MH-CTD

Material: 0.0079 #Plies: 14

Test Type: Warp Tensile Condition:

Test Method: MP1112 (ASTMD3039) Modulus/Poisson's Range: Chord 0.1% to 0.3%

ACG, Inc.
Material & Process
Laboratory Report

								Measured	Normalized	Measured	Normalized	
AITR1392-PWC1-WT-A-MH1-CTD-1	1	10.068	0.9976	0.1134	0.0081	15196.00	LAT	134.326	137.727	9.05	9.278	Not Tested
AITR1392-PWC1-WT-A-MH1-CTD-2	1	10.056	1.0085	0.1134	0.0081	11467.00	LAT	100.268	102.806	8.80	9.023	Not Tested
AITR1392-PWC1-WT-A-MH1-CTD-3	1	10.088	1.0082	0.1114	0.0080	11669.00	LAT	103.897	104.648	9.35	9.418	Not Tested
AITR1392-PWC1-WT-A-MH1-CTD-4	1	10.078	1.0080	0.1119	0.0080	11577.00	LAT	102.637	103.844	9.39	9.496	Not Tested
AITR1392-PWC1-WT-A-MH2-CTD-1	1	10.057	1.0048	0.1097	0.0078	15190.00	LAT	137.807	136.686	9.59	9.508	Not Tested
AITR1392-PWC1-WT-A-MH2-CTD-2	1	10.052	1.0053	0.1103	0.0079	16296.00	LAT	146.964	146.565	9.58	9.556	Not Tested
AITR1392-PWC1-WT-A-MH2-CTD-3	1	10.048	1.0046	0.1117	0.0080	14107.00	LAT	125.715	126.966	9.27	9.365	Not Tested
AITR1392-PWC1-WT-A-MH2-CTD-4	1	10.052	1.0053	0.1096	0.0078	16005.00	LAT	145.261	143.948	9.64	9.548	Not Tested
AITR1392-PWC1-WT-B-MH1-CTD-1	2	10.038	1.0077	0.1117	0.0080	14094.00	LAT	125.213	126.458	9.52	9.610	Not Tested
AITR1392-PWC1-WT-B-MH1-CTD-2	2	10.050	1.0077	0.1138	0.0081	14160.00	LAT	123.478	127.051	9.24	9.507	Not Tested
AITR1392-PWC1-WT-B-MH1-CTD-3	2	10.052	1.0078	0.1144	0.0082	14409.00	LAB	124.978	129.272	9.17	9.487	Not Tested
AITR1392-PWC1-WT-B-MH1-CTD-4	2	10.031	1.0068	0.1141	0.0082	13932.00	LAT	121.279	125.117	9.24	9.533	Not Tested
AITR1392-PWC1-WT-B-MH2-CTD-1	2	10.013	1.0083	0.1150	0.0082	15635.00	LAT	134.837	140.202	9.24	9.604	Not Tested
AITR1392-PWC1-WT-B-MH2-CTD-2	2	10.006	1.0084	0.1130	0.0081	14793.00	LGT	129.821	132.638	9.41	9.610	Not Tested
AITR1392-PWC1-WT-B-MH2-CTD-3	2	10.006	1.0083	0.1126	0.0080	16(4)-6(.)3284.5 393.61 Tm 0 G [(1)-6(0)-6(.)3(0)-6(0)-6(6)] TJ ET Q EMC /P <</M						

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	WT	MH	RTD

Test Group: AITR1392-PWC1-WT-MH-RTD

Material: 0.0079 #Plies: 14

Test Type: Warp Tensile Condition:

Test Method: MP1112 (ASTMD3039) Modulus/Poisson's Range: Chord 0.1% to 0.3%

ACG, Inc.
Material & Process
Laboratory Report

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	WT	MH	ETW2

Test Group: AITR1392-PWC1-WT-MH-ETW2

Material: 0.0079 #Plies: 14

Test Type: Warp Tensile Condition:

Test Method: MP1112 (ASTMD3039) Modulus/Poisson's Range: Chord 0.1% to 0.3%

ACG, Inc.
Material & Process
Laboratory Report

								Measured	Normalized	Measured	Normalized	
AITR1392-PWC1-WT-A-MH1-ETW2-1	1	10.079	1.0085	0.1134	0.0081	14404.00	LGB/LAT	125.949	129.137	10.00	10.256	Not Tested
AITR1392-PWC1-WT-A-MH1-ETW2-2	1	10.066	1.0078	0.1131	0.0081	14707.00	LGB/LAT	129.029	131.946	10.77	11.009	Not Tested
AITR1392-PWC1-WT-A-MH1-ETW2-3	1	10.075	1.0070	0.1137	0.0081	14001.00	LGB/LAT	122.284	125.711	10.33	10.618	Not Tested
AITR1392-PWC1-WT-A-MH1-ETW2-4	1	10.091	1.0084	0.1143	0.0082	NT				NT		NT
AITR1392-PWC1-WT-A-MH2-ETW2-1	1	10.059	1.0058	0.1102	0.0079	14540.00	LGB/LAT	131.181	130.707	11.24	11.200	Not Tested
AITR1392-PWC1-WT-A-MH2-ETW2-2	1	10.046	1.0048	0.1133	0.0081	14888.00	LGB/LAT	130.776	133.968	10.55	10.813	Not Tested
AITR1392-PWC1-WT-A-MH2-ETW2-3	1	10.047	1.0033	0.1115	0.0080	14909.00	LGB/LAT	133.273	134.358	9.96	10.041	Not Tested
AITR1392-PWC1-WT-A-MH2-ETW2-4	1	10.051	1.0054	0.1131	0.0081	NT						

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	FT	MH	CTD

Test Group: AITR1392-PWC1-FT-MH-CTD

Material: 0.0079 #Plies: 14

Test Type: Fill Tensile Condition:

Test Method: MP1112 (ASTMD3039) Modulus/Poisson's Range: Chord 0.1% to 0.3%

ACG, Inc.
Material & Process
Laboratory Report

								Measured	Normalized	Measured	Normalized	
AITR1392-PWC1-FT-A-MH1-CTD-1	1	10.004	1.0069	0.1141	0.0082	12898.00	LAB	112.267	115.819	9.21	9.506	Not Tested
AITR1392-PWC1-FT-A-MH1-CTD-2	1	10.005	1.0071	0.1133	0.0081	15021.00	LAT	131.643	134.856	8.98	9.195	Not Tested
AITR1392-PWC1-FT-A-MH1-CTD-3	1	10.011	1.0072	0.1131	0.0081	15134.00	LAT	132.854	135.857	9.04	9.246	Not Tested
AITR1392-PWC1-FT-A-MH1-CTD-4	1	10.006	1.0071	0.1124	0.0080	13809.00	LAT	121.990	123.975	9.18	9.329	Not Tested
AITR1392-PWC1-FT-A-MH2-CTD-1	1	10.044	1.0071	0.1137	0.0081	14661.00	LGM/LAT	128.036	131.624	8.63	8.876	Not Tested
AITR1392-PWC1-FT-A-MH2-CTD-2	1	10.044	1.0071	0.1157	0.0083	14974.00	LGM/LWT/LAB	128.509	134.434	8.70	9.098	Not Tested
AITR1392-PWC1-FT-A-MH2-CTD-3	1	10.049	1.0072	0.1148	0.0082	14216.00	LAT	122.948	127.616	8.99	9.329	Not Tested
AITR1392-PWC1-FT-A-MH2-CTD-4	1	10.044	1.0069	0.1150	0.0082	14680.00	LGB/LWT	126.777	131.821	9.16	9.528	Not Tested
AITR1392-PWC1-FT-B-MH1-CTD-1	2	10.032	1.0089	0.1148	0.0082	13891.00	LWT	119.934	124.489	8.21	8.521	Not Tested
AITR1392-PWC1-FT-B-MH1-CTD-2	2	10.041	1.0091	0.1141	0.0082	14142.00	LAT	122.826	126.713	8.04	8.290	Not Tested
AITR1392-PWC1-FT-B-MH1-CTD-3	2	10.046	1.0077	0.1144	0.0082	13547.00	LWT	117.513	121.550	8.31	8.592	Not Tested
AITR1392-PWC1-FT-B-MH1-CTD-4	2	10.032	1.0093	0.1124	0.0080	NT				NT		NT
AITR1392-PWC1-FT-B-MH2-CTD-1	2	10.008	1.0100	0.1135	0.0081	14058.00	LGM/LAT	122.633	125.848	9.13	9.368	Not Tested
AITR1392-PWC1-FT-B-MH2-CTD-2	2	10.016	1.0092	0.1133	0.0081	14526.00	LGT/LAB	127.040	130.141	8.22	8.420	Not Tested
AITR1392-PWC1-FT-B-MH2-CTD-3												

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	FT	MH	ETW

Test Group: AITR1392-PWC1-FT-MH-ETW

Material: 0.0079 #Plies: 14

Test Type: Fill Tensile Condition:

Test Method: MP1112 (ASTMD3039) Modulus/Poisson's Range: Chord 0.1% to 0.3%

ACG, Inc.
Material & Process
Laboratory Report

	Measured	Normalized	Measured

Input:	Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
	AITR	1392	PWC1	FT	MH	ETW2

Test Group: AITR1392-PWC1-FT-MH-ETW2

Material: MTM45-1/CF0525-36%RW Normalization: Cured Ply Thickness: 0.0079 #Plies: 14

Test Type: Fill Tensile Condition: ETW2

Test Method: MP1112 (ASTMD3039) Modulus/Poisson's Range: Chord 0.1% to 0.3%

ACG, Inc.
Material & Process
Laboratory Report

Specimen ID	Batch	Length, in.	Width, in.	Thickness, in.	Cured Ply Thickness:	Ultimate Load, lb.	Failure Mode	Ultimate Strength, ksi Measured	Ultimate Strength, ksi Normalized	Modulus, Msi Measured	Modulus, Msi Normalized	3 R L V V Ratio
AITR1392-PWC1-FT-A-MH1-ETW2-1	1	10.004	1.0071	0.1104	0.0079	15059.00	LGB/LAT	135.479	135.193	10.10	10.074	Not Tested
AITR1392-PWC1-FT-A-MH1-ETW2-2	1	10.007	1.0072	0.1141	0.0081	14130.00	LGM	122.985	126.840	9.59	9.896	Not Tested
AITR1392-PWC1-FT-A-MH1-ETW2-3	1	10.005	1.0069	0.1143	0.0082	14285.00	LGB/LGT	124.118	128.270	10.03	10.366	Not Tested
AITR1392-PWC1-FT-A-MH1-ETW2-4	1	10.004	1.0067	0.1144	0.0082	NT				NT		NT
AITR1392-PWC1-FT-A-MH2-ETW2-1	1	10.044	1.0083	0.1137	0.0081	14025.00	LGB/LGT	122.304	125.769	GE		Not Tested
AITR1392-PWC1-FT-A-MH2-ETW2-2	1	10.034	1.0078	0.1162	0.0083	13105.00	LGB/LGT	111.937	117.571	8.84	9.283	Not Tested
AITR1392-PWC1-FT-A-MH2-ETW2-3	1	10.041	1.0083	0.1156	0.0083	13508.00	LGB/LGT	115.923	121.128	9.97	10.414	Not Tested
AITR1392-PWC1-FT-A-MH2-ETW2-4	1	10.043	1.0072	0.1139	0.0081	12740.00	LGB/LGT	111.049	114.363	9.87	10.161	Not Tested
AITR1392-PWC1-FT-B-MH1-ETW2-1	2	10.050	1.0100	0.1153	0.0082	9703.00	LGT	83.336	86.862	9.62	10.027	Not Tested
AITR1392-PWC1-FT-B-MH1-ETW2-2	2	10.041	1.0100	0.1144	0.0082	9743.00	LGB/LGT	84.323	87.220	9.51	9.832	Not Tested
AITR1392-PWC1-FT-B-MH1-ETW2-3	2	10.051	1.0098	0.1152	0.0082	9350.00	LGB	80.376	83.718	9.18	9.559	Not Tested
AITR1392-PWC1-FT-B-MH1-ETW2-4	2					NT				NT		NT
AITR1392-PWC1-FT-B-MH2-ETW2-1	2	10.015	1.0093	0.1141	0.0082	11367.00	LGB/LGT	98.705	101.829	9.79	10.101	Not Tested
AITR1392-PWC1-FT-B-MH2-ETW2-2	2	10.012	1.0098	0.1134	0.0081	11371.00	LGT/LGB	99.300	101.814	9.93	10.177	Not Tested
AITR1392-PWC1-FT-B-MH2-ETW2-3	2	10.016	1.0090	0.1107	0.0079	11604.00	LGT/LGB	103.889	103.983	10.25	10.257	Not Tested
AITR1392-PWC1-FT-B-MH2-ETW2-4	2	10.013	1.0095	0.1136	0.0081	NT				NT		NT
AITR1392-PWC1-FT-C-MH1-ETW2-1	3	10.036	1.0080	0.1165	0.0083	12577.00	LGB/LGT	107.100	112.814	9.84	10.367	Not Tested
AITR1392-PWC1-FT-C-MH1-ETW2-2	3	10.049	1.0077	0.1180	0.0084	12786.00	LGT/LGB	107.528	114.722	9.38	10.004	Not Tested
AITR1392-PWC1-FT-C-MH1-ETW2-3	3	10.052	1.0081	0.1169	0.0084	13277.00	LGM	112.663	119.081	9.98	10.543	Not Tested
AITR1392-PWC1-FT-C-MH1-ETW2-4	3					NT				NT		NT
AITR1392-PWC1-FT-C-MH2-ETW2-1	3	10.055	1.0069	0.1179	0.0084	13265.00	LGM	111.740	119.115	GE		Not Tested
AITR1392-PWC1-FT-C-MH2-ETW2-2	3	10.051	1.0074	0.1172	0.0084	13654.00	LGM	115.646	122.547	9.59	10.160	Not Tested
AITR1392-PWC1-FT-C-MH2-ETW2-3	3	10.054	1.0068	0.1150	0.0082	13650.00	LGT/LGB	117.894	122.584	9.71	10.092	Not Tested
AITR1392-PWC1-FT-C-MH2-ETW2-4	3	10.052	1.0074	0.1147	0.0082	NT				NT		NT
Minimum		10.0040	1.0067	0.1104	0.0079	9350.00		80.376	83.718	8.838	9.283	
Maximum		10.0550	1.0100	0.1180	0.0084	15059.00		135.479	135.193	10.248	10.543	
Average		10.0331	1.0081	0.1148	0.0082	12589.42		108.752	112.917	9.715	10.077	
Standard Deviation		0.0193	0.0011	0.0019	0.0001	1643.91		14.577	14.843	0.354	0.312	
Coefficient of Variation (%)		0.19	0.11	1.69	1.69	13.06		13.40	13.15	3.64	3.09	
No. Specimens		22	22	22	22	19		19	19	17	17	

Notes:
NT=Not Tested
NR=No Result
GE=Gage Error
FM=Failure Mode Unacceptable

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	WC	MH	RTD

Test Group: AITR1392-PWC1-WC-MH-RTD

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	WC	MH	ETW2

Test Group: AITR1392-PWC1-WC-MH-ETW2

Material: 0.0079 #Plies: 18

Test Type: Warp Compression Condition:

Test Method: MP1114 (ASTMD6641) Modulus/Poisson's Range: Chord 0.1% to 0.3%

ACG, Inc.
Material & Process
Laboratory Report

								Measured	Normalized	Measured	Normalized
AITR1392-PWC1-WC-A-MH1-ETW2-1	1	5.510	0.5110	0.1429	0.0079	3420.00	HGM	46.835	47.066	GE	GE
AITR1392-PWC1-WC-A-MH1-ETW2-2	1	5.509	0.5093	0.1423	0.0079	3519.00	HGM	48.556	48.590	GE	GE
AITR1392-PWC1-WC-A-MH1-ETW2-3	1	5.509	0.5102	0.1434	0.0080	3981.00	HGM	54.413	54.872	GE	GE
AITR1392-PWC1-WC-A-MH1-ETW2-4	1	5.509	0.5064	0.1425	0.0079	3879.00	HGM	53.754	53.867	GE	GE
AITR1392-PWC1-WC-A-MH2-ETW2-1	1	5.508	0.5094	0.1457	0.0081	3796.00	BGM	51.146	52.404	GE	GE
AITR1392-PWC1-WC-A-MH2-ETW2-2	1	5.490	0.5096	0.1452	0.0081	3941.00	BGM	53.261	54.385	GE	GE
AITR1392-PWC1-WC-A-MH2-ETW2-3	1	5.509	0.5100	0.1444	0.0080	4022.00	BGM	54.614	55.459	GE	GE
AITR1392-PWC1-WC-A-MH2-ETW2-4	1	5.505	0.5098	0.1458	0.0081	NT				NT	NT
AITR1392-PWC1-WC-B-MH1-ETW2-1	2	5.510	0.5072	0.1466	0.0081	3816.00	BGM	51.321	52.909	GE	GE
AITR1392-PWC1-WC-B-MH1-ETW2-2	2	5.511	0.5075	0.1470	0.0082	3882.00	BGM	52.036	53.792	GE	GE
AITR1392-PWC1-WC-B-MH1-ETW2-3	2	5.512	0.5067	0.1461	0.0081	3739.00	HGM	50.507	51.893	GE	GE
AITR1392-PWC1-WC-B-MH1-ETW2-4	2	5.512	0.5068	0.1462	0.0081	NT				NT	NT
AITR1392-PWC1-WC-B-MH2-ETW2-1	2	5.512	0.5074	0.1472	0.0082	4708.00	BAB	63.034	65.251	GE	GE
AITR1392-PWC1-WC-B-MH2-ETW2-2	2	5.510	0.5070	0.1474	0.0082	4011.00	HGM/MIB	53.672	55.635	GE	GE

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	FC	MH	ETW

Test Group: AITR1392-PWC1-FC-MH-ETW

Material: 0.0079 #Plies: 18

Test Type: Fill Compression Condition:

Test Method: MP1114 (ASTMD6641) Modulus/Poisson's Range: Chord 0.1% to 0.3%

ACG, Inc.
Material & Process
Laboratory Report

								Measured	Normalized	Measured	Normalized	
AITR1392-PWC1-FC-A-MH1-ETW-1	1	5.504	0.5023	0.1456	0.0081	3812.00	HAB/MIB	52.123	53.369	7.28	7.450	0.101
AITR1392-PWC1-FC-A-MH1-ETW-2	1	5.504	0.5028	0.1464	0.0081	3708.00	HGM	50.374	51.861	8.56	8.808	0.005
AITR1392-PWC1-FC-A-MH1-ETW-3	1	5.504	0.5023	0.1427	0.0079	4245.00	HGM	59.223	59.431	8.70	8.733	GE
AITR1392-PWC1-FC-A-MH1-ETW-4	1	5.504	0.5029	0.1460	0.0081	3476.00	HGM	47.342	48.607	7.55	7.752	0.069
AITR1392-PWC1-FC-A-MH2-ETW-1	1	5.509	0.5065	0.1484	0.0082	5203.00	HGT	69.221	72.240	8.18	8.533	0.091
AITR1392-PWC1-FC-A-MH2-ETW-2	1	5.510	0.5064	0.1477	0.0082	4599.00	HGT/HIT	61.488	63.866	8.88	9.224	0.041
AITR1392-PWC1-FC-A-MH2-ETW-3	1	5.505	0.5066	0.1471	0.0082	4598.00	HGM/HIB	61.701	63.827	8.01	8.287	0.078
AITR1392-PWC1-FC-A-MH2-ETW-4	1	5.510	0.5060	0.1468	0.0082	NT				NT		NT
AITR1392-PWC1-FC-B-MH1-ETW-1	2	5.510	0.5069	0.1461	0.0081	4338.00	HGM	58.593	60.186	8.15	8.368	0.016
AITR1392-PWC1-FC-B-MH1-ETW-2	2	5.509	0.5065	0.1477	0.0082	4614.00	BGT	61.672	64.057	8.93	9.271	GE
AITR1392-PWC1-FC-B-MH1-ETW-3	2	5.509	0.5057	0.1474	0.0082	4401.00	HGM	59.059	61.205	8.49	8.794	0.042
AITR1392-PWC1-FC-B-MH1-ETW-4	2	5.514	0.5072	0.1472	0.0082	NT				NT		NT
AITR1392-PWC1-FC-B-MH2-ETW-1	2	5.508	0.5080	0.1367	0.0076	3671.00	BGM	52.876	50.818	9.51	9.144	0.032
AITR1392-PWC1-FC-B-MH2-ETW-2	2	5.506	0.5071	0.1374	0.0076	3619.00	BGM	51.925	50.184	8.97	8.666	0.026
AITR1392-PWC1-FC-B-MH2-ETW-3	2	5.506	0.5069	0.1464	0.0081	4548.00	BGM	61.271	63.096	8.31	8.557	0.056
AITR1392-PWC1-FC-B-MH2-ETW-4	2	5.506	0.5074	0.1395	0.0077	NT				NT		NT
AITR1392-PWC1-FC-C-MH1-ETW-1	3	5.507	0.5014	0.1482	0.0082	3990.00	BGB	53.687	55.965	10.10	10.532	0.008
AITR1392-PWC1-FC-C-MH1-ETW-2	3	5.506	0.5077	0.1428	0.0079	3533.00	HGT	48.728	48.934	8.19	8.220	0.385
AITR1392-PWC1-FC-C-MH1-ETW-3	3	5.507	0.5023	0.1473	0.0082	3647.00	HGM	49.288	51.056	8.26	8.558	0.032
AITR1392-PWC1-FC-C-MH1-ETW-4	3	5.507	0.5023	0.1471	0.0082	NT				NT		NT
AITR1392-PWC1-FC-C-MH2-ETW-1	3	5.506	0.5070	0.1459	0.0081	3276.00	HGB	44.285	45.437	9.04	9.280	0.022
AITR1392-PWC1-FC-C-MH2-ETW-2	3	5.509	0.5069	0.1456	0.0081	3636.00	HGM	49.280	50.446	GE		GE
AITR1392-PWC1-FC-C-MH2-ETW-3	3	5.505	0.5074	0.1467	0.0082	3819.00	BGM	51.291	52.926	8.18	8.439	0.053
AITR1392-PWC1-FC-C-MH2-ETW-4	3											

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	IPS	MH	ETW

Test Group: AITR1392-PWC1-IPS-MH-ETW

Material:

Test Type: ±45° In Plane Shear

Test Method: MP1115 (ASTMD3518)

Normalization: NA

Condition: ETW

Modulus/Poisson's Range: Chord 0.2% to 0.6%

Cured Ply Thickness: 0.0079

#Plies: 8

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Material & Process
Laboratory Report

						0.2% Offset	@ 5% Strain	Maximum	Modulus, Msi Measured
AITR1392-PWC1-IPS-A-MH1-ETW-1	1	10.041	1.0057	0.0648	0.0081	3.475	5.514	NT	0.441
AITR1392-PWC1-IPS-A-MH1-ETW-2	1	10.038	1.0073	0.0665	0.0083	3.432	5.502	NT	0.345
AITR1392-PWC1-IPS-A-MH1-ETW-3	1	10.035	1.0077	0.0669	0.0084	3.070	5.446	NT	0.433
AITR1392-PWC1-IPS-A-MH1-ETW-4	1	10.038	0.9979	0.0658	0.0082	NT	NA	NT	NT
AITR1392-PWC1-IPS-A-MH2-ETW-1	1	10.072	1.0117	0.0663	0.0083	3.206	5.628	NT	0.387
AITR1392-PWC1-IPS-A-MH2-ETW-2	1	10.074	1.0117	0.0659	0.0082	3.364	5.422	NT	0.360
AITR1392-PWC1-IPS-A-MH2-ETW-3	1	10.072	1.0107	0.0664	0.0083	3.156	5.559	NT	0.369
AITR1392-PWC1-IPS-A-MH2-ETW-4	1	10.083	1.0113	0.0658	0.0082	NT	NA	NT	NT
AITR1392-PWC1-IPS-B-MH1-ETW-1	2	10.043	1.0098	0.0657	0.0082	3.379	GE	NT	0.357
AITR1392-PWC1-IPS-B-MH1-ETW-2	2	10.048	1.0100	0.0642	0.0080	3.661	GE	NT	0.371
AITR1392-PWC1-IPS-B-MH1-ETW-3	2	10.039	1.0092	0.0667	0.0083	2.835	5.216	NT	0.376
AITR1392-PWC1-IPS-B-MH1-ETW-4	2	10.033	1.0099	0.0673	0.0084	3.534	5.522	NT	0.366
AITR1392-PWC1-IPS-B-MH2-ETW-1	2	10.045	1.0094	0.0669	0.0084	3.495	GE	NT	0.365
AITR1392-PWC1-IPS-B-MH2-ETW-2	2	10.049	1.0088	0.0670	0.0084	3.471	GE	NT	0.405
AITR1392-PWC1-IPS-B-MH2-ETW-3	2	10.058	1.0088	0.0650					

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	IPS	MH	ETW2

Test Group: AITR1392-PWC1-IPS-MH-ETW2

Material: Normalization: NA

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	SBS	MH	ETD

Test Group: AITR1392-PWC1-SBS-MH-ETD

Material:

Test Type: Short Beam Shear

Test Method: MP1116 (ASTMD2344)

Normalization: Cured Ply Thickness: 0.0079

Condition: ETD #Plies: 18

Span (4t): 0.59

ACG, Inc.
Material & Process
Laboratory Report

									Measured	Normalized
AITR1392-PWC1-SBS-A-MH1-ETD-1	1	1.505	0.2598	0.1439	0.0080	440.35	FCC/ILS		8.835	8.941
AITR1392-PWC1-SBS-A-MH1-ETD-2	1	1.502	0.2598	0.1431	0.0080	444.02	FCC/ILS		8.954	9.013
AITR1392-PWC1-SBS-A-MH1-ETD-3	1	1.501	0.2595	0.1437	0.0080	437.77	FCC/ILS		8.806	8.896
AITR1392-PWC1-SBS-A-MH1-ETD-4	1	1.502	0.2597	0.1438	0.0080	NT				
AITR1392-PWC1-SBS-A-MH2-ETD-1	1	1.501	0.2569	0.1496	0.0083					

Input:	Test Plan Prefix		Test Plan #	Material	Test	Cure Cycle	Condition			
	AITR		1392	PWC1	SBS	MH	ETW			

Test Group: AITR1392-PWC1-SBS-MH-ETW

Material: MTM45-1/CF0525-36%RW
Test Type: Short Beam Shear
Test Method: MP1116 (ASTMD2344)

Normalization: Cured Ply Thickness: 0.0079
Condition: ETW #Plies: 18
Span (4t): 0.59

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Material & Process
Laboratory Report

Specimen ID	Batch	Length, in.	Width, in.	Thickness, in.	Cured Ply Thickness:	Ultimate Load, lb.	Failure Mode	Ultimate Strength, ksi	
								Measured	Normalized
AITR1392-PWC1-SBS-A-MH1-ETW-1	1	1.508	0.2603	0.1440	0.0080	331.00	ILS	6.624	6.708
AITR1392-PWC1-SBS-A-MH1-ETW-2	1	1.510	0.2593	0.1436	0.0080	326.00	ILS	6.568	6.632
AITR1392-PWC1-SBS-A-MH1-ETW-3	1	1.508	0.2593	0.1433	0.0080	324.00	ILS	6.539	6.589
AITR1392-PWC1-SBS-A-MH1-ETW-4	1	1.508	0.2597	0.1427	0.0079	NT			
AITR1392-PWC1-SBS-A-MH2-ETW-1	1	1.509	0.2599	0.1455	0.0081	327.00	ILS	6.484	6.636
AITR1392-PWC1-SBS-A-MH2-ETW-2	1	1.509	0.2601	0.1445	0.0080	312.00	ILS	6.229	6.328
AITR1392-PWC1-SBS-A-MH2-ETW-3	1	1.508	0.2596	0.1471	0.0082	325.00	ILS	6.385	6.604
AITR1392-PWC1-SBS-A-MH2-ETW-4	1	1.509	0.2590	0.1453	0.0081	NT			
AITR1392-PWC1-SBS-B-MH1-ETW-1	2	1.511	0.2557	0.1469	0.0082	304.00	ILS	6.070	6.271
AITR1392-PWC1-SBS-B-MH1-ETW-2	2	1.504	0.2558	0.1474	0.0082	317.00	ILS	6.306	6.536
AITR1392-PWC1-SBS-B-MH1-ETW-3	2	1.508	0.2557	0.1475	0.0082	305.00	ILS	6.065	6.291
AITR1392-PWC1-SBS-B-MH1-ETW-4	2	1.508	0.2554	0.1467	0.0082	NT			
AITR1392-PWC1-SBS-B-MH2-ETW-1	2	1.516	0.2555	0.1465	0.0081	308.00	ILS	6.171	6.358
AITR1392-PWC1-SBS-B-MH2-ETW-2	2	1.513	0.2560	0.1449	0.0081	303.00	ILS	6.126	6.243
AITR1392-PWC1-SBS-B-MH2-ETW-3	2	1.513	0.2556	0.1441	0.0080	300.00	ILS	6.109	6.190
AITR1392-PWC1-SBS-B-MH2-ETW-4	2	1.516	0.2557	0.1469	0.0082	NT			
AITR1392-PWC1-SBS-C-MH1-ETW-1	3	1.506	0.2572	0.1516	0.0084	316.00	ILS	6.078	6.480
AITR1392-PWC1-SBS-C-MH1-ETW-2	3	1.506	0.2567	0.1513	0.0084	322.00	FCC	6.218	6.616
AITR1392-PWC1-SBS-C-MH1-ETW-3	3	1.506	0.2572	0.1512	0.0084	328.00	FCC	6.326	6.726
AITR1392-PWC1-SBS-C-MH1-ETW-4	3	1.507	0.2573	0.1508	0.0084	NT			
AITR1392-PWC1-SBS-C-MH2-ETW-1	3	1.508	0.2543	0.1518	0.0084	328.00	ILS	6.373	6.803
AITR1392-PWC1-SBS-C-MH2-ETW-2	3	1.507	0.2557	0.1507	0.0084	328.00	ILS	6.384	6.766
AITR1392-PWC1-SBS-C-MH2-ETW-3	3	1.509	0.2567	0.1497	0.0083	322.00	ILS	6.284	6.616
AITR1392-PWC1-SBS-C-MH2-ETW-4	3	1.505	0.2553	0.1490	0.0083	NT			
Minimum		1.5040	0.2543	0.1427	0.0079	300.00		6.065	6.190
Maximum		1.5160	0.2603	0.1518	0.0084	331.00		6.624	6.803
Average		1.5088	0.2572	0.1472	0.0082	318.11		6.297	6.522
Standard Deviation		0.0031	0.0019	0.0029	0.0002	10.25		0.178	0.194
Coefficient of Variation (%)		0.20	0.73	1.99	1.99	3.22		2.83	2.97
No. Specimens		24	24	24	24	18		18	18

Notes:
NT=Not Tested
NR=No Result
FM=Failure Mode Unacceptable

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	SBS	MH	ETW2

Test Group: AITR1392-PWC1-SBS-MH-ETW2

Material:

Normalization: Cured Ply Thickness: 0.0079

Test Type: Short Beam Shear Condition: ETW2 #Plies: 18

Test Method: MP1116 (ASTMD2344) Span (4t): 0.59

ACG, Inc.
Material & Process
Laboratory Report

								Measured	Normalized
AITR1392-PWC1-SBS-A-MH1-ETW2-1	1	1.510	0.2598	0.1439	0.0080	265.00	ILS	5.319	5.381
AITR1392-PWC1-SBS-A-MH1-ETW2-2	1	1.510	0.2590	0.1433	0.0080	263.00	ILS	5.315	5.356
AITR1392-PWC1-SBS-A-MH1-ETW2-3	1	1.510	0.2597	0.1438	0.0080	260.00	ILS	5.222	5.280
AITR1392-PWC1-SBS-A-MH1-ETW2-4	1	1.510	0.2600	0.1437	0.0080	NT			
AITR1392-PWC1-SBS-A-MH2-ETW2-1	1	1.509	0.2596	0.1488	0.0083	253.00	ILS	4.911	5.140
AITR1392-PWC1-SBS-A-MH2-ETW2-2	1	1.510	0.2603	0.1468	0.0082	232.00	ILS	4.555	4.701
AITR1392-PWC1-SBS-A-MH2-ETW2-3	1	1.509	0.2599	0.1470	0.0082	254.00	ILS	4.989	

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	UNT1	MH	CTD

Test Group: AITR1392-PWC1-UNT1-MH-CTD

Material: 0.0079 #Plies: 16

Test Type: Quasi Unnotched Tensile Condition:

Test Method: MP1112 (ASTMD3039) Modulus/Poisson's Range: Chord 0.1% to 0.3%

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Material & Process
Laboratory Report

								Measured	Normalized	Measured	Normalized	
AITR1392-PWC1-UNT1-A-MH1-CTD-1	1	10.075	1.0084	0.1340	0.0084	11869.00	LGB	87.837	93.118	6.29	6.664	Not Tested
AITR1392-PWC1-UNT1-A-MH1-CTD-2	1	10.080	1.0085	0.1358	0.0085	12538.00	LGM	91.549	98.357	5.90	6.343	Not Tested
AITR1392-PWC1-UNT1-A-MH1-CTD-3	1	10.089	1.0083	0.1327	0.0083	12807.00	LGT/LGB	95.716	100.487	5.46	5.735	Not Tested
AITR1392-PWC1-UNT1-A-MH1-CTD-4	1	10.072	1.0081	0.1341	0.0084	NT				NT		NT
AITR1392-PWC1-UNT1-A-MH2-CTD-1	1	10.044	1.0062	0.1307	0.0082	12680.00	LGM/LGB	96.418	99.698	6.55	6.778	Not Tested
AITR1392-PWC1-UNT1-A-MH2-CTD-2	1	10.047	1.0070	0.1329	0.0083	12944.00	LGT/LGB	96.720	101.693	6.00	6.303	Not Tested
AITR1392-PWC1-UNT1-A-MH2-CTD-3	1	10.046	1.0057	0.1331	0.0083	12714.00	LGT	94.981	100.015	6.10	6.420	

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	UNT1	MH	ETW2

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	UNT2	MH	CTD

Test Group: AITR1392-PWC1-UNT2-MH-CTD

Material: 0.0079 #Plies: 20

Test Type: Soft Unnotched Tensile Condition:

Test Method: MP1112 (ASTMD3039) Modulus/Poisson's Range: Chord 0.1% to 0.3%

ACG, Inc.
Material & Process
Laboratory Report

								Measured	Normalized	Measured	Normalized	
AITR1392-PWC1-UNT2-A-MH1-CTD-1	1	10.052	1.0091	0.1658	0.0083	9234.00	AGT	55.191	57.916	4.12	4.328	Not Tested
AITR1392-PWC1-UNT2-A-MH1-CTD-2	1	10.057	1.0092	0.1605	0.0080	9558.00	AGT	59.009	59.942	4.39	4.463	Not Tested
AITR1392-PWC1-UNT2-A-MH1-CTD-3	1	10.074	1.0091	0.1652	0.0083	9589.00	AGB	57.521	60.143	4.32	4.521	Not Tested
AITR1392-PWC1-UNT2-A-MH1-CTD-4	1	10.076	1.0091	0.1619	0.0081	NT				NT		NT
AITR1392-PWC1-UNT2-A-MH2-CTD-1	1	10.037	1.0074	0.1643	0.0082	9538.00	AGT	57.626	59.924	4.30		

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	UNT2	MH	ETW2

Test Group: AITR1392-PWC1-UNT2-MH-ETW2

Material: 0.0079 #Plies: 20

Test Type: Soft Unnotched Tensile Condition:

Test Method: MP1112 (ASTMD3039) Modulus/Poisson's Range: Chord 0.1% to 0.3%

ACG, Inc.
Material & Process
Laboratory Report

								Measured	Normalized	Measured	Normalized	
AITR1392-PWC1-UNT2-A-MH1-ETW2-	1	10.070	1.0093	0.1632	0.0082	7621.00	AGT	46.275	47.788	3.65	3.773	Not Tested
AITR1392-PWC1-UNT2-A-MH1-ETW2-	1	10.080	1.0086	0.1645	0.0082	8089.00	AGM	48.742	50.758	3.95		

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	UNT3	MH	CTD

Test Group: AITR1392-PWC1-UNT3-MH-CTD

Material: 0.0079 #Plies: 15

Test Type: Hard Unnotched Tensile Condition:

Test Method: MP1112 (ASTMD3039) Modulus/Poisson's Range: Chord 0.1% to 0.3%

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Material & Process
Laboratory Report

	Measured	Normalized	Measured	Normalized

AITR1392-PWC1-UNT3-A-MH1-CTD-/MCID 26/Lang (x-none)>> BDC q 10/3ang (x-none)>> BDC q 46.636 22..84 806.73 10.636 re W* n BT /F1 9.9545 Tf 1 0 0 1 48 2645 T9.40.

Input:	Test Plan Prefix		Test Plan #	Material	Test	Cure Cycle	Condition						
	AITR		1392	PWC1	UNT3	MH	ETW2						

Test Group: AITR1392-PWC1-UNT3-MH-ETW2

Material: MTM45-1/CF0525-36%RW
Normalization: Cured Ply Thickness: 0.0079 #Plies: 15
Test Type: Hard Unnotched Tensile
Condition: ETW2
Test Method: MP1112 (ASTMD3039)
Modulus/Poisson's Range: Chord 0.1% to 0.3%

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Laboratory Report

Specimen ID	Batch	Length, in.	Width, in.	Thickness in.	Cured Ply Thickness:	Ultimate Load, lb.	Failure Mode	Ultimate Strength, ksi		Modulus, Msi		3 R L V V Ratio
								Measured	Normalized	Measured	Normalized	
AITR1392-PWC1-UNT3-A-MH1-ETW2-	1	10.049	1.0022	0.1145	0.0076	13349.00	LGT/LGB	116.292	112.399	9.33	9.023	Not Tested
AITR1392-PWC1-UNT3-A-MH1-ETW2-	1	10.047	1.0065	0.1148	0.0077	12763.00	LGB/LGT	110.486	107.006	8.65	8.377	Not Tested
AITR1392-PWC1-UNT3-A-MH1-ETW2-	1	10.041	1.0075	0.1136	0.0076	13439.00	LGT/AGB	117.382	112.561	GE		Not Tested
AITR1392-PWC1-UNT3-A-MH1-ETW2-	1	10.044	1.0076	0.1149	0.0077	NT				NT		NT
AITR1392-PWC1-UNT3-A-MH2-ETW2-	1	10.062	1.0103	0.1147	0.0076	13187.00	LGB/AAT	113.797	110.148	8.73	8.445	Not Tested
AITR1392-PWC1-UNT3-A-MH2-ETW2-	1	10.062	1.0088	0.1135	0.0076	12720.00	LGB/LAT	111.122	106.402	9.30	8.910	Not Tested
AITR1392-PWC1-UNT3-A-MH2-ETW2-	1	10.065	1.0093	0.1147	0.0076	12627.00	LGB/LAT	109.045	105.579	8.76	8.481	Not Tested
AITR1392-PWC1-UNT3-A-MH2-ETW2-	1	10.080	1.0109	0.1133	0.0076	NT						NT
Minimum		10.0410	1.0022	0.1133	0.0076	12627.00		109.045	105.579	8.649	8.377	
Maximum		10.0800	1.0109	0.1149	0.0077	13439.00		117.382	112.561	9.335	9.023	
Average		10.0563	1.0079	0.1143	0.0076	13014.17		113.021	109.016	8.955	8.647	
Standard Deviation		0.0132	0.0027	0.0007	0.0000	352.70		3.351	3.098	0.336	0.296	
Coefficient of Variation (%)		0.13	0.27	0.58	0.58	2.71		2.97	2.84	3.75	3.43	
No. Specimens		8	8	8	8	6		6	6	5	5	

Notes:
NT=Not Tested
NR=No Result
GE=Gage Error
FM=Failure Mode Unacceptable

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	UNC1	MH	RTD

Test Group: AITR1392-PWC1-UNC1-MH-RTD

Material: 0.0079 #Plies: 24

Test Type: Quasi Unnotched Compression Condition:

Test Method: MP1114 (ASTMD6641) Modulus/Poisson's Range: Chord 0.1% to 0.3%

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Material & Process
Laboratory Report

								Measured	Normalized	Measured	Normalized	
AITR1392-PWC1-UNC1-A-MH1-RTD-1	1	5.507	0.5060	0.1930	0.0080	6805.00	BGM	69.682	70.932	5.51	5.607	0.308
AITR1392-PWC1-UNC1-A-MH1-RTD-2	1	5.508	0.5060	0.1900	0.0079	7069.00	BGB	73.528	73.683	5.72	5.735	0.344
AITR1392-PWC1-UNC1-A-MH1-RTD-3	1	5.507	0.5050	0.1920	0.0080	7809.00	BGM	80.538				

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	UNC1	MH	ETW

Test Group: AITR1392-PWC1-UNC1-MH-ETW

Material: 0.0079 #Plies: 24

Test Type: Quasi Unnotched Compression Condition:

Test Method: MP1114 (ASTMD6641) Modulus/Poisson's Range: Chord 0.1% to 0.3%

ACG, Inc.
Material & Process
Laboratory Report

								Measured	Normalized	Measured	Normalized	
AITR1392-PWC1-UNC1-A-MH1-ETW-1	1	5.508	0.5061	0.1928	0.0080	5542.00	BGT	56.797	57.755	6.82	6.935	0.217
AITR1392-PWC1-UNC1-A-MH1-ETW-2	1	5.510	0.5070	0.1925	0.0080	5342.00	HGT	54.735	55.572	6.70	6.802	0.390
AITR1392-PWC1-UNC1-A-MH1-ETW-3	1	5.508	0.5046	0.1936	0.0081	5644.00	BGM	57.774	58.993	5.94	6.067	0.282

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	UNC2	MH	ETW2

Test Group: AITR1392-PWC1-UNC2-MH-ETW2

Material: 0.0079 #Plies: 20

Test Type: Soft Unnotched Compression Condition:

Test Method: MP1114 (ASTMD6641) Modulus/Poisson's Range: Chord 0.1% to 0.3%

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Material & Process
Laboratory Report

								Measured	Normalized	Measured	Normalized	
AITR1392-PWC1-UNC2-A-MH1-ETW2-	1	5.509	0.5045	0.1623	0.0081	2292.00	BGM	27.992	28.754	GE		GE
AITR1392-PWC1-UNC2-A-MH1-ETW2-	1	5.508	0.5047	0.1610	0.0081	2606.00	AGM	32.071	32.680	3.70	3.771	0.611
AITR1392-PWC1-UNC2-A-MH1-ETW2-	1	5.509	0.5044	0.1644	0.0082	2501.00	AGM	30.160	31.382	5.19	5.404	0.627

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	UNC3	MH	ETW2

Test Group: AITR1392-PWC1-UNC3-MH-ETW2

Material: 0.0079 #Plies: 20

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	SBS1	MH	RTD

Test Group: AITR1392-PWC1-SBS1-MH-RTD

Material:

Normalization: Cured Ply Thickness: 0.0079

Test Type: Quasi Short Beam Shear Condition: RTD #Plies: 24

Test Method: MP1116 (ASTMD2344) Span (4t): 0.78

ACG, Inc.
Material & Process
Laboratory Report

								Measured	Normalized
AITR1392-PWC1-SBS1-A-MH1-RTD-1	1	1.501	0.2570	0.1939	0.0081	630.00	ILS	9.484	9.697
AITR1392-PWC1-SBS1-A-MH1-RTD-2	1	1.497	0.2565	0.1947	0.0081	656.00	ILS	9.854	10.117
AITR1392-PWC1-SBS1-A-MH1-RTD-3	1	1.498	0.2565	0.1945	0.0081	641.00	ILS	9.636	9.885
AITR1392-PWC1-SBS1-A-MH1-RTD-4	1	1.497	0.2570	0.1933	0.0081	NT			
AITR1392-PWC1-SBS1-A-MH2-RTD-1	1	1.505	0.2560	0.1942	0.0081	626.00	ILS	9.446	9.673
AITR1392-PWC1-SBS1-A-MH2-RTD-2	1	1.503	0.2560	0.1950	0.0081	640.00	ILS	9.618	9.889
AITR1392-PWC1-SBS1-A-MH2-RTD-3	1	1.505	0.2570	0.1967	0.0082	645.00	ILS	9.569	9.928
AITR1392-PWC1-SBS1-A-MH2-RTD-4	1	1.503	0.2565	0.1965	0.0082	NT			
AITR1392-PWC1-SBS1-E-MH1-RTD-1	5	1.504	0.2540	0.1945	0.0081	643.00	ILS	9.764	10.014
AITR1392-PWC1-SBS1-E-MH1-RTD-2	5	1.505	0.2545	0.1953	0.0081	644.00	ILS	9.720	10.010
AITR1392-PWC1-SBS1-E-MH1-RTD-3	5	1.504	0.2545	0.1946	0.0081	620.00	ILS	9.389	9.637
AITR1392-PWC1-SBS1-E-MH1-RTD-4	5	1.504	0.2545	0.1950	0.0081	NT			
AITR1392-PWC1-SBS1-E-MH2-RTD-1	5	1.505	0.2535	0.1944	0.0081	642.00	ILS	9.771	10.018
AITR1392-PWC1-SBS1-E-MH2-RTD-2	5	1.504	0.2540	0.1967					

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	SBS1	MH	ETW

Test Group: AITR1392-PWC1-SBS1-MH-ETW

Material:

Test Type: Quasi Short Beam Shear

Test Method: MP1116 (ASTMD2344)

Normalization: Cured Ply Thickness: 0.0079

Condition: ETW #Plies: 24

Span (4t): 0.78

ACG, Inc.
Material & Process
Laboratory Report

								Measured	Normalized
AITR1392-PWC1-SBS1-A-MH1-ETW-1	1	1.498	0.2587	0.1941	0.0081	458.00	ILS	6.842	7.004
AITR1392-PWC1-SBS1-A-MH1-ETW-2	1	1.498	0.2591	0.1948	0.0081	443.00	ILS	6.582	6.764
AITR1392-PWC1-SBS1-A-MH1-ETW-3	1	1.498	0.2585	0.1937	0.0081	424.00	ILS	6.350	6.487
AITR1392-PWC1-SBS1-A-MH1-ETW-4	1	1.498	0.2588	0.1941	0.0081	NT			
AITR1392-PWC1-SBS1-A-MH2-ETW-1	1	1.504	0.2586	0.1955	0.0081	431.00	ILS	6.394	6.594
AITR1392-PWC1-SBS1-A-MH2-ETW-2	1	1.504	0.2584	0.1955	0.0081	419.00	ILS	6.221	6.415
AITR1392-PWC1-SBS1-A-MH2-ETW-3	1	1.504	0.2584	0.1961	0.0082	420.00	ILS	6.218	6.430
AITR1392-PWC1-SBS1-A-MH2-ETW-4	1	1.504	0.2582	0.1949	0.0081	NT			

	1.4980	0.2582	0.1937	0.0081	419.00		6.218	6.415
	1.5040	0.2591	0.1961	0.0082	458.00		6.842	7.004
	1.5010	0.2586	0.1948	0.0081	432.50		6.435	6.616
	0.0032	0.0003	0.0008	0.0000	15.32		0.240	0.230
	0.21	0.10	0.43	0.43	3.54		3.74	3.48
	8	8	8	8	6		6	6

Notes:
NT=Not Tested
NR=No Result

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	OHT1	MH	CTD

Test Group: AITR1392-PWC1-OHT1-MH-CTD

Material:

Test Type: Open-Hole Tension Layup 1

Test Method: MP1117 (ASTMD5766)

Normalization: NA

Condition: CTD

Cured Ply Thickness: 0.0079

#Plies: 16

ACG, Inc.
Material & Process
Laboratory Report

											norm	
AITR1392-PWC1-OHT1-A-MH1-CTD-1	1	12.0100	1.5050	0.1307	0.0082	0.2480	91.8898	0.0868	10145.80	51.58	53.334	LGM
AITR1392-PWC1-OHT1-A-MH1-CTD-2	1	12.0100	1.5010	0.1309	0.0082	0.2493	91.7494	0.0872	10173.47	51.78	53.622	LGM
AITR1392-PWC1-OHT1-A-MH1-CTD-3	1	12.0100	1.5020	0.1319	0.0082	0.2489	91.0538	0.0878	10061.08	50.78	52.994	LGM
AITR1392-PWC1-OHT1-A-MH1-CTD-4	1	12.0100	1.5020	0.1303	0.0081	0.2486	92.1719	0.0868	NT			
AITR1392-PWC1-OHT1-A-MH2-CTD-1	1	12.0060	1.5090	0.1306	0.0082	0.2497	91.9296	0.0865	10164.92	51.58	53.293	LGM
AITR1392-PWC1-OHT1-A-MH2-CTD-2	1	12.0070	1.5060	0.1312	0.0082	0.2494	91.5168	0.0871	10109.97	51.17	53.110	LGM
AITR1392-PWC1-OHT1-A-MH2-CTD-3	1	12.0070	1.5090	0.1305	0.0082	0.2500	92.0077	0.0865	10098.31	51.28	52.943	LGM
AITR1392-PWC1-OHT1-A-MH2-CTD-4	1	12.0070	1.5060	0.1302	0.0081	0.2492	92.2197	0.0865	NT			
AITR1392-PWC1-OHT1-E-MH1-CTD-1	5	12.0100	1.5060	0.1295	0.0081	0.2480	92.7413	0.0860	9916.99	50.85	52.096	LGM
AITR1392-PWC1-OHT1-E-MH1-CTD-2	5	12.0090	1.5020	0.1311	0.0082	0.2484	91.6018	0.0873	10011.64	50.84	52.734	LGM
AITR1392-PWC1-OHT1-E-MH1-CTD-3	5	12.0100	1.5020	0.1300	0.0081	0.2476	92.3846	0.0866	9681.46	49.58	50.995	LGM
AITR1392-PWC1-OHT1-E-MH1-CTD-4	5	12.0100	1.5050	0.1288	0.0081	0.2479	93.2453	0.0856	NT			
AITR1392-PWC1-OHT1-E-MH2-CTD-1	5	12.0070	1.5080	0.1320	0.0083	0.2480	90.9621	0.0875	9946.98	49.97	52.185	LGM
AITR1392-PWC1-OHT1-E-MH2-CTD-2	5	12.0080	1.5070	0.1330	0.0083	0.2480	90.2857	0.0883				

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	OHT1	MH	RTD

Test Group: AITR1392-PWC1-OHT1-MH-RTD

Material: Normalization: NA Cured Ply Thickness: 0.0079

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	OHT1	MH	ETW

Test Group: AITR1392-PWC1-OHT1-MH-ETW

Material:

Test Type: Open-Hole Tension Layup 1

Test Method: MP1117 (ASTMD5766)

Normalization: NA

Condition: ETW

Cured Ply Thickness: 0.0079

#Plies: 16

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Material & Process
Laboratory Report

norm

AITR1392-PWC1-OHT1-A-MH1-ETW-1 1 12.0 [(1)-7(2(io)9(n)-7( )4(L)26(ay)36(u)-7(p)8( )4(1)] TJ ET Q G [(M)-15(a)7(te)4(r)4(ia)5(l)-4(&)6( )-2(Pro)8(c)444 re 44 re 44 re 4( )4(1)] TJ E

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	OHT1	MH	ETW2

Test Group: AITR1392-PWC1-OHT1-MH-ETW2

Material:

Test Type: Open-Hole Tension Layup 1

Test Method: MP1117 (ASTMD5766)

Normalization: NA

Condition: ETW2

Cured Ply Thickness: 0.0079

#Plies: 16

ACG, Inc.
Material & Process
Laboratory Report

norm

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	OHT2	MH	CTD

Test Group: AITR1392-PWC1-OHT2-MH-CTD

Material:

Normalization: NA Cured Ply Thickness: 0.0079

Test Type: Open-Hole Tension Layup 2 Condition: CTD #Plies: 20

Test Method: MP1117 (ASTMD5766)

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Material & Process
Laboratory Report

											norm	
AITR1392-PWC1-OHT2-A-MH1-CTD-1	1	12.0100	1.5080	0.1666	0.0083	0.2482	72.0888	0.1105	10842.71	43.16	45.507	AGM
AITR1392-PWC1-OHT2-A-MH1-CTD-2	1	12.0090	1.5070	0.1631	0.0082	0.2488	73.6297	0.1082	10717.43	43.60	45.011	AGM
AITR1392-PWC1-OHT2-A-MH1-CTD-3	1	12.0090	1.5060	0.1636	0.0082	0.2484	73.4046	0.1086	10910.63	44.28	45.853	AGM
AITR1392-PWC1-OHT2-A-MH1-CTD-4	1	12.0090	1.5070	0.1609	0.0080	0.2472	74.6364	0.1068	NT			
AITR1392-PWC1-OHT2-A-MH2-CTD-1	1	12.0070	1.5040	0.1648	0.0082	0.2486	72.8580	0.1096	10940.00	44.14	46.038	AGM
AITR1392-PWC1-OHT2-A-MH2-CTD-2	1	12.0080	1.4990	0.1649	0.0082	0.2483	72.8199	0.1100	11309.65	45.75	47.752	AGM
AITR1392-PWC1-OHT2-A-MH2-CTD-3	1	12.0070	1.5030	0.1627	0.0081	0.2487	73.7984	0.1083	11314.74	46.27	47.646	AGM
AITR1392-PWC1-OHT2-A-MH2-CTD-4	1	12.0080	1.5060	0.1649	0.0082	0.2486	72.8199	0.1095	NT			
AITR1392-PWC1-OHT2-E-MH1-CTD-1	5	12.0080	1.5050	0.1670	0.0084	0.2480	71.9042	0.1110	11068.28	44.04	46.546	AGM
AITR1392-PWC1-OHT2-E-MH1-CTD-2	5	12.0090	1.5030	0.1660	0.0083	0.2470	72.3434	0.1104	11058.17	44.32	46.566	AGM
AITR1392-PWC1-OHT2-E-MH1-CTD-3	5	12.0080	1.5060	0.1660	0.0083	0.2480	72.3373	0.1102	10873.06	43.49	45.695	AGM
AITR1392-PWC1-OHT2-E-MH1-CTD-4	5	12.0080	1.5070	0.1610	0.0081	0.2480	74.5839	0.1068	NT			
AITR1392-PWC1-OHT2-E-MH2-CTD-1	5	12.0080	1.5050	0.1630	0.0082	0.2480	73.6687	0.1083	10992.62	44.81	46.228	AGM
AITR1392-PWC1-OHT2-E-MH2-CTD-2	5	12.0080	1.5050	0.1640	0.0082	0.2480	73.2195	0.1090	10739.50	43.51	45.164	AGM
AITR1392-PWC1-OHT2-E-MH2-CTD-3	5	12.0090	1.5060	0.1640	0.0082	0.2480	73.2256	0.1089	11169.71	45.22	46.942	AGM
AITR1392-PWC1-OHT2-E-MH2-CTD-4	5	12.0090	1.5080	0.1650	0.0083	0.2480	72.7818	0.1094	NT			
AITR1392-PWC1-OHT2-D-MH1-CTD-1	4	12.0080	1.5080	0.1630	0.0082	0.2495	73.6687	0.1081	10715.34	43.59	44.973	AGM
AITR1392-PWC1-OHT2-D-MH1-CTD-2	4	12.0090	1.5080	0.1630	0.0082	0.2501	73.6748	0.1081	10719.76	43.6q	72.769	437.78 869.98 11.846

Test Plan Prefix Test Plan # Material Test

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	OHT3	MH	RTD

Test Group: AITR1392-PWC1-OHT3-MH-RTD

Material:

Normalization: NA

Cured Ply Thickness: 0.0079

ACG, Inc.

Test Type:

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	OHT3	MH	ETW2

Test Group: AITR1392-PWC1-OHT3-MH-ETW2

Material:

Test Type: Open-Hole Tension Layup 3

Test Method: MP1117 (ASTMD5766)

Normalization: NA

Condition: ETW2

Cured Ply Thickness: 0.0079

#Plies: 15

ACG, Inc.
Material & Process
Laboratory Report

norm

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	OHC1	MH	ETW2

Test Group: AITR1392-PWC1-OHC1-MH-ETW2

Material: Normalization: NA Cured Ply Thickness: 0.0079

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	OHC3	MH	RTD

Test Group: AITR1392-PWC1-OHC3-MH-RTD

Material:

Normalization: NA Cured Ply Thickness: 0.0079

Test Type: Open-Hole Compression Layup 3 Condition: RTD #Plies: 15

Test Method: MP1119 (ASTMD6484)

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Material & Process
Laboratory Report

							Hole Edge-Side (f)	Hole Edge-End (g)					norm	
AITR1392-PWC1-OHC3-A-MH1-RTD-1	1	12.0060	1.5050	0.1210	0.0081	0.2496	0.6256	5.875	6.0296	2.0628	9138.00	50.18	51.238	LGM
AITR1392-PWC1-OHC3-A-MH1-RTD-2	1	12.0050	1.5050	0.1210	0.0081	0.2498	0.6260	5.876	6.0248	2.0645	7839.00	43.05	43.955	LGM
AITR1392-PWC1-OHC3-A-MH1-RTD-3	1	12.0060	1.5050	0.1230	0.0082	0.2503	0.6258	5.878	6.0128	2.0350	8453.00	45.66	47.398	LGM
AITR1392-PWC1-OHC3-A-MH1-RTD-4	1	12.0050	1.5050	0.1210	0.0081	0.2518	0.6264	5.876	5.9770	2.0810	8010.00	43.99	44.914	LGM
AITR1392-PWC1-OHC3-A-MH2-RTD-1	1	12.0035	1.5035	0.1195	0.0080	0.2505	0.6282	5.877	6.0020	2.0962	8054.00	44.83	45.205	LGM
AITR1392-PWC1-OHC3-A-MH2-RTD-2	1	12.0035	1.5040	0.1205	0.0080	0.2497	0.6284	5.877	6.0232	2.0722	77(0)] TJ	ET	-869e	0.791 re /91 re /91 re /91 re

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	OHC3	MH	ETW2

Test Group: AITR1392-PWC1-OHC3-MH-ETW2

Material:

Normalization: NA Cured Ply Thickness: 0.0079

Test Type: Open-Hole Compression Layup 3 Condition: ETW2 #Plies: 15

Test Method: MP1119 (ASTMD6484)

ACG, Inc.
Material & Process
Laboratory Report

							Hole Edge-Side (f)	Hole Edge-End (g)					norm	
AITR1392-PWC1-OHC3-A-MH1-ETW2-	1	12.0100	1.5080	0.1223	0.0082	0.2500	0.6260	5.88	6.0320	2.0442	5670.33	30.75	31.731	LGM
AITR1392-PWC1-OHC3-A-MH1-ETW2-	1	12.0090	1.5080	0.1235	0.0082	0.2502	0.6264							

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	FHT1	MH	CTD

Test Group: AITR1392-PWC1-FHT1-MH-CTD

Material:

Normalization: NA

Cured Ply Thickness: 0.0079

Test Type: Filled-Hole Tension Layup 1

Condition: CTD

#Plies: 16

Test Method: MP1118 (ASTMD6742)

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Material & Process
Laboratory Report

											norm	
AITR1392-PWC1-FHT1-A-MH1-CTD-1	1	12.0050	1.5080	0.1322	0.0083	0.2506	90.8094	0.0877	10612.13	53.23	55.674	LGM
AITR1392-PWC1-FHT1-A-MH1-CTD-2	1	12.0080	1.5070	0.1320	0.0083	0.2521	90.9697	0.0876	10728.86	53.93	56.324	LGM
AITR1392-PWC1-FHT1-A-MH1-CTD-3	1	12.0060	1.5080	0.1327	0.0083	0.2512	90.4748	0.0880	11296.63	56.45	59.265	LGM
AITR1392-PWC1-FHT1-A-MH1-CTD-4	1	12.0080	1.5080	0.1322	0.0083	0.2500	90.8321	0.0877	NT			
AITR1392-PWC1-FHT1-A-MH2-CTD-1	1	12.0070	1.5080	0.1310	0.0082	0.2511	91.6565	0.0869	10255.02	51.91	53.801	LGM
AITR1392-PWC1-FHT1-A-MH2-CTD-2	1	12.0060	1.5080	0.1310	0.0082	0.2514	91.6489	0.0869	10588.96	53.60	55.553	LGM
AITR1392-PWC1-FHT1-A-MH2-CTD-3	1	12.0070	1.5090	0.1315	0.0082	0.2514	91.3080	0.0871	11174.23	56.31	58.584	LGM
AITR1392-PWC1-FHT1-A-MH2-CTD-4	1	12.0060	1.5080	0.1309	0.0082	0.2509	91.7189	0.0868	NT			
AITR1392-PWC1-FHT1-E-MH1-CTD-1	5	12.0100	1.5060	0.1330	0.0083	0.2506	90.3008	0.0883	9846.88	49.16	51.728	LGM
AITR1392-PWC1-FHT1-E-MH1-CTD-2	5	12.0090	1.5070	0.1330	0.0083	0.2505	90.2932	0.0883	9879.05	49.29	51.863	LGM
AITR1392-PWC1-FHT1-E-MH1-CTD-3	5	12.0100	1.5050	0.1320	0.0083	0.2524	90.9848	0.0877	9941.75	50.04	52.167	LGM
AITR1392-PWC1-FHT1-E-MH1-CTD-4	5	12.0100										

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	FHT2	MH	CTD

Test Group: AITR1392-PWC1-FHT2-MH-CTD

Material:

Normalization: NA

Cured Ply Thickness: 0.0079

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Material & Process
Laboratory Report

Test Type: Filled-Hole Tension Layup 2

Condition: CTD

#Plies: 20

Test Method: MP1118 (ASTMD6742)

									norm
AITR1392-PWC1-FHT2-A-MH1-CTD-1	1	12.0060	1.5090	0.1645	0.0082	0.2503	72.9848	0.1090	

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	FHT2	MH	RTD

Test Group: AITR1392-PWC1-FHT2-MH-RTD

Material:

Normalization: NA

Cured Ply Thickness: 0.0079

Test Type: Filled-Hole Tension Layup 2

Condition: RTD

#Plies: 20

Test Method: MP1118 (ASTMD6742)

ACG, Inc.
Material & Process
Laboratory Report

											norm	
AITR1392-PWC1-FHT2-A-MH1-RTD-1	1	12.0070	1.5080	0.1638	0.0082	0.2501	73.3028	0.1086	10613.87	42.97	44.547	AGM
AITR1392-PWC1-FHT2-A-MH1-RTD-2	1	12.0070	1.5090	0.1641	0.0082	0.2504	73.1688	0.1087	10550.24	42.61	44.250	AGM
AITR1392-PWC1-FHT2-A-MH1-RTD-3	1	12.0070	1.5080	0.1625	0.0081	0.2500	73.8892	0.1078	10499.37	42.85	44.066	AGM
AITR1392-PWC1-FHT2-A-MH1-RTD-4	1					0.2509			NT			
AITR1392-PWC1-FHT2-A-MH2-RTD-1												

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	FHT2	MH	ETW2

Test Group: AITR1392-PWC1-FHT2-MH-ETW2

Material:

Normalization: NA

Cured Ply Thickness: 0.0079

ACG, Inc.
Material & Process
Laboratory Report

Test Type: Filled-Hole Tension Layup 2

Condition: ETW2

#Plies: 20

Test Method: MP1118 (ASTMD6742)

				norm
AITR1392-PWC1-FHT2-A-MH1-ETW2-1	1	12.0090	1.5093	

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	FHT3	MH	CTD

Test Group: AITR1392-PWC1-FHT3-MH-CTD

Material:

Normalization: NA

Cured Ply Thickness: 0.0079

Test Type: Filled-Hole Tension Layup 3

Condition: CTD

#Plies: 15

Test Method: MP1118 (ASTMD6742)

ACG, Inc.
Material & Process
Laboratory Report

											norm	
AITR1392-PWC1-FHT3-A-MH1-CTD-1	1	12.0070	1.5090	0.1224	0.0082	0.2500	98.0964	0.0811	12642.87	68.45	70.703	LGM
AITR1392-PWC1-FHT3-A-MH1-CTD-2	1	12.0070	1.5100	0.1221	0.0081	0.2530	98.3374	0.0809	11681.16	63.36	65.282	LGM
AITR1392-PWC1-FHT3-A-MH1-CTD-3	1	12.0030	1.5090	0.1230	0.0082	0.2500	97.5854	0.0815	12483.46	67.26	69.812	LGM
AITR1392-PWC1-FHT3-A-MH1-CTD-4	1	12.0070	1.5080	0.1219	0.0081	0.2510	98.4988					

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	FHT3	MH	RTD

Test Group: AITR1392-PWC1-FHT3-MH-RTD

Material: Normalization: NA Cured Ply Thickness: 0.0079 ACG, Inc.

Test Type: Filled-Hole Tension Layup 3 Condition: RTD

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	FHC1	MH	RTD

Test Group: AITR1392-PWC1-FHC1-MH-RTD

Material:

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	FHC2	MH	ETW2

Test Group: AITR1392-PWC1-FHC2-MH-ETW2

Material:

Normalization:

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	FHC3		

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	FHC3	MH	ETW2

Test Group: AITR1392-PWC1-FHC3-MH-ETW2

Material:

Test Type: Filled-Hole Compression Layup 3

Normalization: NA

Condition: ETW2

Cured Ply Thickness: 0.0079

#Plies: 15

ACG, Inc.

M(</MCID 26/Lang (x-none)>> BDC qe)>> BDC q 22

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	PB1	MH	RTD

Test Group: AITR1392-PWC1-PB1-MH-RTD

Material:

Test Type: Single Shear Pin Bearing Layup 1

Test Method: MP1120 (ASTMD5961)

Normalization: NA

Condition: RTD

Cured Ply Thickness: 0.0079

#Plies: 16

ACG, Inc.
Material & Process
Laboratory Report

						Hole Center-End (e)	Hole Edge-Side (g)	Hole Edge-End (f)	Hole-Edge/Diameter (e/D)			Initial Peak	norm	Ultimate	norm	2% Offset	norm	4% Offset	norm	
AITR1392-PWC1-PB1-A-MH1-RTD-1	1	1.5030	0.1290	0.0081	0.2512	0.7520	0.6271	0.6264	2.9936	5.983	1.947	109.79	112.046	119.61	122.072	93.79	95.717	99.92	101.973	B1I
AITR1392-PWC1-PB1-A-MH1-RTD-2	1	1.5050	0.1300	0.0081	0.2525	0.7503	0.6269	0.6240	2.9713	5.960	1.942	110.32	113.462	120.94	124.389	64.58	66.414	86.73	89.200	B1I
AITR1392-PWC1-PB1-A-MH1-RTD-3	1	1.5060	0.1340	0.0084	0.2501	0.7511	0.6264	0.6260	3.0030	6.022	1.866	103.91	110.154	115.98	122.957	80.04	84.854	91.55	97.050	B1I
AITR1392-PWC1-PB1-A-MH1-RTD-4	1	1.5060	0.1330	0.0083	0.2502	0.7519	0.6264	0.6268	3.0052	6.019	1.881	111.93	117.771	118.01	124.173	79.05	83.180	91.58	96.365	B1I
AITR1392-PWC1-PB1-A-MH2-RTD-1	1	1.5080	0.1290	0.0081	0.2509	0.7505	0.6263	0.6250	2.9910	6.010	1.945	126.48	129.080	126.49	129.092	70.45	71.903	87.41	89.208	B1I
AITR1392-PWC1-PB1-A-MH2-RTD-2	1	1.5090	0.1280	0.0080	0.2510	0.7515	0.6270	0.6260	2.9940	6.012	1.961	142.43	144.231	142.43	144.233	116.49	117.963	126.10	127.700	B1I
AITR1392-PWC1-PB1-A-MH2-RTD-3	1	1.5090	0.1290	0.0081	0.2500	0.7513	0.6266	0.6263	3.0052	6.036	1.938	137.24	140.060	137.24	140.063	79.37	81.005			

Test Plan Prefix

Test Plan Prefix Test Plan #Material#

Test Plan Prefix	Test Plan	#Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	PB2	MH	ETW2

Test Group: AITR1392-PWC1-PB2-MH-ETW2

Material:

Normalization: NA

Cured Ply Thickness: 0.0079

ACG, Inc.

Test Type: Single Shear Pin Bearing Layup 2

Condition: ETW2

#Plies: 20

Input:	Test Plan Prefix		Test Plan #	Material		Test	Cure Cycle	Condition
	AITR		1392	PWC1		PB3	MH	RTD

Test Group: AITR1392-PWC1-PB3-MH-RTD

Material: MTM45-1/CF0525-36%RW
Test Type: Single Shear Pin Bearing Layup 3
Test Method: MP1120 (ASTMD5961)

Normalization: NA
Condition: RTD

Cured Ply Thickness: 0.0079
#Plies: 15

ACG, Inc.
Material & Process
Laboratory Report

Specimen ID	Batch	Width, in.	Thickness in.	Cured Ply Thickness	Diameter	Hole Center-End (e)	Hole Edge-Side (g)	Hole Edge-End (f)	Hole-Edge/ Diameter (e/D)	Width/ Diameter	Diameter/ Thickness	Strength, ksi								Failure Mode
												Initial Peak	norm	Ultimate	norm	2% Offset	norm	4% Offset	norm	
AITR1392-PWC1-PB3-A-MH1-RTD-1	1	1.4990	0.1215	0.0081	0.2511	0.7512	0.6254	0.6256	2.9914	5.970	2.067	88.94	91.196	98.50	100.990	59.09	60.590	77.29	79.247	B1I
AITR1392-PWC1-PB3-A-MH1-RTD-2	1	1.4950	0.1190	0.0079	0.2506	0.7513	0.6222	0.6260	2.9980	5.966	2.106	86.69	87.053	113.54	114.022	64.67	64.942	79.60	79.937	B1I
AITR1392-PWC1-PB3-A-MH1-RTD-3	1	1.4950	0.1210	0.0081	0.2508	0.7516	0.6199	0.6262	2.9968	5.961	2.073	98.49	100.572	98.49	100.573	GE		GE		B1I
AITR1392-PWC1-PB3-A-MH1-RTD-4	1	1.4990	0.1215	0.0081	0.2526	0.7523	0.6258	0.6260	2.9782	5.934	2.079	67.63	69.340	108.18	110.914	GE		GE		B1I
AITR1392-PWC1-PB3-A-MH2-RTD-1	1	1.5110	0.1240	0.0083	0.2500	0.7500	0.6262	0.6250	3.0000	6.044	2.016	78.02	81.639	112.03	117.232	73.06	76.447	80.04	83.754	B1I
AITR1392-PWC1-PB3-A-MH2-RTD-2	1	1.5100	0.1240	0.0083	0.2503	0.7519	0.6256	0.6267	3.0038	6.033	2.019	77.99	81.613	110.19	115.305	68.45	71.625	79.64	83.341	B1I
AITR1392-PWC1-PB3-A-MH2-RTD-3	1	1.5110	0.1240	0.0083	0.2500	0.7506	0.6261	0.6256	3.0024	6.044	2.016	88.56	92.667	115.58	120.945	72.30	75.653	84.63	88.558	B1I
AITR1392-PWC1-PB3-A-MH2-RTD-4	1	1.5100	0.1250	0.0083	0.2500	0.7515	0.6257	0.6265	3.0060	6.040	2.000	91.42	96.431	108.29	114.228	70.90	74.787	79.41	83.761	B1I
Minimum		1.4950	0.1190		0.2500	0.7500	0.6199	0.6250	2.9782	5.9343	2.0000	67.6280	69.340	98.4947	100.573	59.0940	60.590	77.2900	79.247	
Maximum		1.5110	0.1250		0.2526	0.7523	0.6262	0.6267	3.0060	6.0440	2.1059	98.4940	100.572	115.5806	120.945	73.0560	76.447	84.6300	88.558	
Average		1.5038	0.1225		0.2507	0.7513	0.6246	0.6260	2.9971	5.9989	2.0469	84.7173	87.564	108.1001	111.776	68.0770	70.674	80.1015	83.099	
Standard Deviation		0.0074	0.0021		0.0009	0.0007	0.0023	0.0005	0.0089	0.0455	0.0387	9.6608	9.928	6.4358	7.367	5.3480	6.488	2.4232	3.334	
Coefficient of Variation (%)		0.49	1.68		0.35	0.10	0.37	0.09	0.30	0.76	1.89	11.40	11.34	5.95	6.59	7.86	9.18	3.03	4.01	
No. Specimens		8	8		8	8	8	8	8	8	8	8	8	8	8	6	6	6	6	

Notes:
NT=Not Tested
NR=No Result
NA=Not Applicable
GE=Gage Error

Test Plan Prefix	Test Plan #	M		Test	Cure Cycle	Condition
AITR	1392	P		PB3	MH	ETW2

Test Group: AITR1392-PWC1-PB3-MH-ETW2

Material:

Test Type: Single Shear Pin Bearing Layup 3

Test Method: MP1120 (ASTMD5961)

Normalization:NA

Condition: ETW2

Cured Ply Thickness: 0.0079

#Plies: 15

ACG, Inc.
Material & Process
Laboratory Report

					Hole Center-End (e)	Hole Edge-Side (g)	Hole Edge-End (f)	Hole-Edge-Diameter (e		Initial Peak	norm	Ultimate	norm	2% Offset	norm	4% Offset	no
AITR1392-PWC1-PB3-A-MH1-ETW2-1	1	1.4992		08	0.7514	0.6238	0.6260	2.9960		73.21	78.659	86.72	93.170	44.01	47.281	59.97	64.4
AITR1392-PWC1-PB3-A-MH1-ETW2-2	1	1.4990		0	0.7450	0.6198	0.6195	2.96		NT							
AITR1392-PWC1-PB3-A-MH1-ETW2-3	1	1.4989	0.		0.7456	0.6254	0.6202	2.9		70.37	74.864	8			54.805	55.36	58.89
AITR1392-PWC1-PB3-A-MH1-ETW2-4	1	1.4987	0.1		0.7455	0.6215	0.6196			75.12	80.242	8			55.795	57.56	61.482
AITR1392-PWC1-PB3-A-MH2-ETW2-1	1	1.5071	0.12		517	0.6267	0.6266			85.88	88.868	9			60.642	68.14	70.503
AITR1392-PWC1-PB3-A-MH2-ETW2-2	1	1.5053	0.123							71.59	74.299	8			52.272	62	64
AITR1392-PWC1-PB3-A-MH2-ETW2-3	1	1.5077	0.1234							77.16	80.355	9			51.901	6	6
AITR1392-PWC1-PB3-A-MH2-ETW2-4	1	1.5080	0.1229	0.						77.72	80.592	9			55.892	6	7
AITR1392-PWC1-PB3-E-MH1-ETW2-1	5	1.507	0.1246	0.008					029	78.51	82.526	8			45.148	50.	5
AITR1392-PWC1-PB3-E-MH1-ETW2-2	5	1.50	0.1231	0.0082					6.028	75.76	78.669	9			48.979	57	5
AITR1392-PWC1-PB3-E-MH1-ETW2-3	5	1.5	0.1	0.008	0.2				6.029	77.60	80.263	7			47.117	5	5

[redacted]

Test Plan Prefix	Test Plan #	Material	Test	Cure Cycle	Condition
AITR	1392	PWC1	ILT1	MH	RTD

Test Group: AITR1392-PWC1-ILT1-MH-RTD

Material:

Test Type: Interlaminar Tension Layup 1

Test Method: MP1122 (ASTMD6415)

Normalization: NA

Condition: RTD

Cured Ply Thickness: 0.0079

#Plies: 20

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Material & Process
Laboratory Report

Failure

Thick, In.	Width, in.	r_{inner}, in	r_{outer}, in	Angle, Deg	d_y