

**OCM TEST LABS - WORKSHEET**

<b>Customer:</b> Massachusetts Institute of Technology	<b>OCMTL No.:</b> 280518
	<b>Customer P.O. No.:</b> 4800988906

<b>Type of Test</b> Tension Properties
<b>Material Description</b> Cured Cryogenic G10 Panel
<b>Lot / Serial No. / Batch</b> 0° Direction
<b>Specification</b> N/A
<b>Test Procedure</b> ASTM D-638-03
<b>Specimen Conditions</b> 73°F 48% R.H.
<b>Test Temperature</b> -320°F
<b>Date of Test:</b> 05/31/2008
<b>Tested by</b> Pascual Barrios, Jr.

OCM STAFF  
018


Sample No.	Width (in)	Thickness (in)	Ultimate Load (lbs)	Strength (PSI)	Modulus (MSI)	Poissons Ratio	Mode of Failure
1	0.750	0.166	7201	57840	5.92	*	L.G.T.
2	0.750	0.166	8098	65040	4.82	0.427	L.G.T.
3	0.750	0.166	6732	54070	3.17	*	L.G.T.
Average				58990	4.64	0.427	
Std Dev				5575	1.38	#DIV/0!	
C.O.V.				9.5	29.9	#DIV/0!	
Req.: Ind							
Req.: Avg.							

Status	Pass	Fail	Information Only
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Equipment Item	Size Type	Control No.	Calibration Due Date
Loadframe	30k	1307	08/06/2008
Loadcell	25k	2153	08/06/2008
Bi-Axial Strain Gage	CEA-06-125UT-350	A66AD914	G.F.=(L)2.115,(T)2.135
Inspection Tool	6" Digital Calipers	1376	06/14/2008
Inspection Tool	1" Micrometer	1297	06/14/2008
Test Speed	0.05 in / min		

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	<b>Customer P.O. No.:</b> 4800988906

<p><b>Type of Test:</b> Tension Properties</p> <p><b>Material Description:</b> Cured Cryogenic G10 Panel</p> <p><b>Lot / Serial No. / Batch:</b> 90° Direction</p> <p><b>Specification:</b> N/A</p> <p><b>Test Procedure:</b> ASTM D-638-03</p> <p><b>Specimen Conditions:</b> 73°F 48% R.H.</p> <p><b>Test Temperature:</b> -320°F</p> <p><b>Date of Test:</b> 05/31/2008</p> <p><b>Tested by:</b> Pascual Barrios, Jr.</p>	
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Sample No.	Width (in)	Thickness (in)	Ultimate Load (lbs)	Strength (PSI)	Modulus (MSI)	Poissons Ratio	Mode of Failure
1	0.750	0.167	9042	72190	4.40	0.271	L.I.T.
2	0.750	0.166	6294	50550	4.95	0.335	L.I.T.
3	0.750	0.166	7883	63320	4.00	0.335	L.I.T.
Average				62020	4.45	0.303	
Std Dev				10877	0.48	0.05	
C.O.V.				17.5	10.7	14.9	
Req.: Ind							
Req.: Avg.							

Status	Pass	Fail	Information Only
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