COMPTECH
Department of Aerospace Engineering
Indian Institute of Technology Madras
Chennai - 600 036, INDIA.

Dr. R.VELMURUGAN
Professor

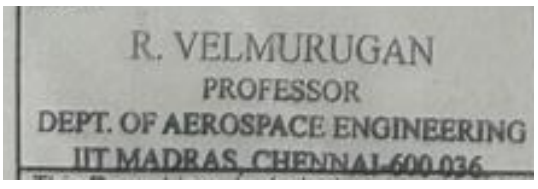
Ref : CTF/10-11/002/2 **Date : 10/06/10**

TEST REPORT

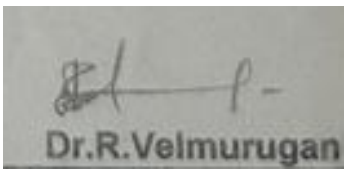
Name and Address to whom this report is issued	M.N.POLYESTER (INDIA) PVT. LTD., No. 18/108-A, 7th Street, Tatabad, Coimbatore.
Request for Test Through letter	Ref : Your Letter Date : 26/04/10
Particulars of Material Supplied	General Purpose Resin. Code No. MNP -0054

SL NO	PROPERTY	UNIT	INDIVIDUAL TEST RESULT	AVERAGE TEST RESULT	TEST METHOD
RESIN PROPERTIES					
1.	Specific Weight	kN/m³	11.008	11.008	ASTM D1475
2.	Viscosity	cp	500, 500, 500	500	ASTM D2393
CASTED RESIN PROPERTIES					
1.	Barcol Hardness	BIU	43, 42, 46, 48, 44	45	ASTM D2583
2.	Tensile Strength	N/mm²	47, 49, 50, 47	48	ASTM D638
3.	Tensile Modulus	N/mm²	2741, 2900, 2818, 2825	2821	ASTM D638
4.	Elongation at break	%	2.039, 2.083, 2.229, 2.049	2.115	ASTM D638
5.	Flexural Strength	N/mm²	77, 80, 62, 79, 64	72	ASTM D790
6.	Flexural Modulus	N/mm²	4016, 3343, 3314, 3166, 3597	3487	ASTM D790
7.	Compressive Strength	N/mm²	126, 107, 123, 121, 130	121	ASTM D695

Seal



Signature



This Report is a technical assessment based on tests conducted at the Composites Technology Centre
No liability must be assumed or implied as any of the results given above.

☎ : 044 - 2257 4017 / 4915 Fax : 044 - 2257 0545 / 0039 Email : rvel@ae.iitm.ac.in

Reconstructed reading copy - original signature and seal excerpts retained; cropped original report on page 2.

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SL NO	PROPERTY	UNIT	INDIVIDUAL TEST RESULT	AVERAGE TEST RESULT	TEST METHOD
	RESIN PROPERTIES				
1.	Specific Weight	kN/m ^{3}	11.008	11.008	ASTM D 1475
2.	Viscosity	cp	500, 500, 500	500	ASTM D 2393
	CASTED RESIN PROPERTIES				
1.	Barcol Hardness	BIU	43,42,46,48,44	45	ASTM D2583
2.	Tensile Strength	N/mm^2	47, 49, 50, 47	48	ASTM D638
3.	Tensile Modulus	N/mm^2	2741, 2900, 2818, 2825	2821	ASTM D638
4.	Elongation at break	%	2.039, 2.083, 2.29, 2.049	2.115	ASTM D638
5.	Flexural Strength	N/mm^2	77, 80, 62, 79, 64	72	ASTM D790
6.	Flexural Modulus	N/mm^2	4016, 3343, 3314, 3166, 3597	3487	ASTM D790
7.	Compressive Strength	N/mm^2	126, 107, 123, 121, 130	121	ASTM D695

Seal	Signature	
R. VELMURUGAN PROFESSOR DEPT. OF AEROSPACE ENGINEERING IIT MADRAS, CHENNAI-600 036	Name	Dr.R.Velmurugan

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