COMPTECH

Department of Aerospace Engineering

Indian Institute of Technology Madras

Chennai - 600 036, INDIA.

Dr. R.VELMURUGAN

Professor

Ref : CTF/10-11/002/3 **Date : 10/06/10**

TEST REPORT

Name and Address to whom this report is issued	M.N.POLYESTYER (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	Isophthalic Resin. Code No. MNP -0081

SL NO	PROPERTY	UNIT	INDIVIDUAL TEST RESULT	AVERAGE TEST RESULT	TEST METHOD
	RESIN PROPERTIES				
1.	Specific Weight	kN/m³	10.987	10.987	ASTM D1475
2.	Viscosity	cp	660,660,600	660	ASTM D2393
	CASTED RESIN PROPERTIES				
1.	Barcol Hardness	BIU	45, 45, 45, 45, 47	45	ASTM D2583
2.	Tensile Strength	N/mm²	57, 63, 55, 67, 56	60	ASTM D638
3.	Tensile Modulus	N/mm²	2134, 2399, 2553, 2248	2334	ASTM D638
4.	Elongation at break	%	2.51, 2.66, 2.87, 2.13, 2.61	2.56	ASTM D638
5.	Flexural Strength	N/mm²	92, 92, 90, 97	93	ASTM D790
6.	Flexural Modulus	N/mm²	3416, 2812, 3449, 2810, 3177	3053	ASTM D790
7.	Compressive Strength	N/mm²	112, 117, 110,116	119	ASTM D695

Seal

R. VELMURUGAN
PROFESSOR
DEPT. OF AEROSPACE ENGINEERING
IIT MADRAS, CHENNAI-600 036.

Signature

Name Dr.R.Velmurugan

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/seal excerpts retained; original scan 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}	10.987	10.987	ASTM D 1475
2.	Viscosity	cp	660,660,600	660	ASTM D 2393
	CASTED RESIN PROPERTIES				
1.	Barcol Hardness	BIU	45, 45, 45, 45, 47	45	ASTM D2583
2.	Tensile Strength	N/mm^2	57, 63, 55, 67, 56	60	ASTM D638
3.	Tensile Modulus	N/mm^2	2134, 2399, 2553, 2248	2334	ASTM D638
4.	Elongation at break	%	2.51, 2.66, 2.87, 2.13, 2.61	2.56	ASTM D638
5.	Flexural Strength	N/mm^2	92, 92, 90, 97	93	ASTM D790
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Seal	Signature	
R. VELMURUGAN PROFESSOR DEPT. OF AEROSPACE ENGINEERING IIT MADRAS, CHENNAI-600 036.	Name	Dr.R.Velmurugan

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