

सेन्ट्रल इंस्टिट्यूट ऑफ प्लास्टिक्स
इंजीनियरिंग एण्ड टेक्नॉलाजी
(रसायन एवं उर्वरक मंत्रालय, भारत सरकार)
मुख्यालय, गिण्टी, चेन्नै - 600 032.
फोन : 22342371 (8 Lines) तार : सिपेट
फैक्स : 91 - 44 - 22344673
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CENTRAL INSTITUTE OF PLASTICS
ENGINEERING & TECHNOLOGY
(Ministry of Chemicals & Fertilizers, Govt of India)

Guindy, Chennai - 600 032, India.
Tel : 22342371 (8 Lines) Grams : CIPET
Fax : 91 - 44 - 22344673
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E-mail : cipetchn@eth.net
Website : www.cipetindia.com

No. **8460**

TEST CERTIFICATE

Issued to : **M/s. Pramukh Plastics Pvt. Ltd,
1051, 20th Main, D.R. Bendre Road, V Block,
Rajajinagar, Bangalore-560 010.**

Date : **13th May, 2005**

Test Duration: 03.05.2005 to 12.05.2005

Ref. : **PPPL/54/2005-06/64 Dt.30.04.2005**

TEST REPORT AS PER STANDARD :

REPORT NO. : **23182**

PART - A

PARTICULARS OF SAMPLE SUBMITTED

- | | | |
|--|---|---|
| a) Name of the Sample | : | 'Pramukh Glas' - FRP Translucent sheets as stated by the party. |
| b) Grade / variety / type / size / class | : | 6.4 mm thick & 1.5 mm thick (Milky white colour) |
| c) Declared value, if any | : | Not applicable |
| d) Code No. | : | Not applicable |
| e) Batch No. and Date of Manufacture | : | Not applicable |
| f) Quantity | : | 10 Nos. |
| g) Mode of Packing | : | Packed in Gada cloth |
| h) Sealed or not | : | Not Sealed |
| i) Any other information | : | -- |

Handwritten signature and date: 14/05/05

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PART - C

TEST RESULTS

S.No.	Property	Standard	Unit	Results obtained	Specified Requirement
1.	Thickness	--	mm	1.67	--
2.	Weight	--	Kg/sq.m.	2.2	--
3.	Specific gravity	--	--	1.50	--
4.	Co-efficient of linear thermal expansion	ASTM D 696	/°C	1.6×10^{-5}	--
5.	Water absorption	ASTM D 570	%	0.054	--
6.	Thermal conductivity	ASTM C 177	K.cal/hr.m°C	0.212	--
7.	Heat distortion temp.	ASTM D 648	°C	>200.0	--
8.	Operating temperature at $-20 \pm 2^\circ\text{C}$ for 12 hrs at $95 \pm 2^\circ\text{C}$ for 12 hrs.	--	--	No visible crack, No deformation, No delamination and any other defects. No visible crack, No deformation, No delamination and any other defects.	--

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TEST RESULTS

Test Report No. 23182 contd..

S.No.	Property	Standard	Unit	Results obtained	Specified Requirement
9.	Barcol Hardness	ASTM D 2583	--	81.0	--
10.	Tensile strength	ASTM D 638	MPa	83.0	--
11.	Elastic modulus	ASTM D 638	MPa	5553.9	--
12.	Flexural strength	ASTM D 790	MPa	135.3	--
13.	Flexural modulus	ASTM D 790	MPa	7392.5	--
14.	Compressive strength	ASTM D 695	MPa	191.0	--
15.	Shear strength	ASTM D 732	MPa	92.0	--
16.	Izod impact strength (notched)	ASTM D 256	Joules	1.94	
17.	Glass content	--	%	38.1	--
18.	Luminous transmittance	ASTM D 1003	%	31.27	--
19.	Haze (diffused light transmittance)	ASTM D 1003	%	0.3138	--
20.	Colour visual inspection	--	--	Off-white	--
21.	Fire resistance	ASTM D 635	mm/min.	18.0	--

* Megapascals = 145.0377 PSI


 AUTHORIZED SIGNATORY.

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