



Partnering Global Trade

A House Of Fiber Glass Insulation Materials

HPS EXIM PRIVATE LIMITED

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Technical Data Sheet

SL NO			
1	Specification :	Epoxy profiles as per standards	
2	Description of item :	Rods, Dogbones, Corner profiles, Ribs, Flats & Laminates	
3	Resin system :	Epoxy Resin Class H FR4 grade	
4	Colour :	Natural	
5	Visual Apperance :	GOOD - Free From Scratches and Burrs	
6	Standard followed :	IS and ASTM	
7	Description of Standard :	Manufactured Using a Combination Of Epoxy Resin And Fiber Glass rovings in Pultrusion.	

PHYSICAL TEST

SL NO		Standards	Obsorbed Value	Remarks
1	Specific Gravity	IS 10192 / ASTM D 792	2.14	OK
2	Water Absorption	IS 1998 / ASTM D 750	0.1	OK
3	Glass content	IS 11246 / ASTM D 2548	78%	OK

MECHANICAL TESTS

SL NO		Standards	Obsorbed Value	Remarks
1	Tensie Strength	IS 1998 / ASTM D 638	588 N/mm2	OK
2	Flexural Strength	IS 1998 / ASTM D 790	846 N/mm2	OK
3	Impact Strength	ASTM D 256 - 97	152 Kj/m2	OK
4	Compression Strength	IS 1998 / ASTM D 695	556 N/mm2	OK
5	Barcol Hardness	ASTM D 2240 - 86	70	OK

ELECTRICAL TESTS

SL NO		Standards	Obsorbed Value	Remarks
1	Dielectric Strength - Axial	IS 10192 / ASTM D149	50 KV / 25mm	OK
2	Dielectric Strength - Radial	IS 10192 / ASTM D149	10 KV / 25mm	OK
3	Volume Resistance	ASTM D 257 - 97	12 M Ohms	OK
4	Arc Resistance	ASTM D 495 - 94	> 200 secs	OK
5	Comparative Tracking Index	IEC 60112 - 79	>600 Volts	OK

THERMAL TESTS

SL NO		Standards	Obsorbed Value	Remarks
1	Martens Heat Distortion	ASTM D 648	>200	OK
	Temperature Min Thickness >4mm			