



Partnering Global Trade

A House Of Fiber Glass Insulation Materials

HPS EXIM PRIVATE LIMITED

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TEST CERTIFICATE

ITEM : F.G Threaded Rod : M 10 X L = 600 mm

SR.NO	CHARACTERISTIC	UNIT	SPECIFIED VALUES	OBTAINED VALUE	STANDARD
A	GENERAL REQUIRMENT				
1	MATERIAL		ECR-GLASS	ECR-GLASS	
2	GRADE		EPOXY	EPOXY	
3	COLOUR		NATURAL	NATURAL	
B	PHYSICAL PROPERTIES				
1	SPECIFIC GRAVITY	g/cm ³	2.1 ± 0.1	2.1	ASTM D 792-2008
2	GLASS CONTENT	%	80% ± 5 MINIMUM	77.54%	ASTM D 2584
3	DYE PENETRATION	VISUAL	NO DYE PENITRATION FOR 15Minutes [MIN]	O.K.	IEC-61109
4	WATER ABSORPTION	%	Max 0.1	0.04	ASTM D 570-1998
C	MECHANICAL PROPERTIES				
1	TENSILE STRENGTH	N / mm ²	760	967	ASTM D 638
2	FLEXUREL STRENGTH	N / mm ²	500	752	ASTM D 349
3	COMPRESSIVE STRENGTH	N / mm ²	590	693	ASTM D 695
4	IMPECT STRENGTH (IZOD)	Kj / Mtr ²	400 MIN	423	ASTM D 256
5	BARCOL HARDNESS	Nos	60 MIN	70/75	ASTM D 2583
6	THREAD SHEAR LOAD	Kgf	1000	1229	
D	ELECTRICAL STRENGTH				
1	DIELETRIC STRENGTH (AXIL)	Kv/25mm	50	65.6	ASTM D 149
	DIELETRIC STRENGTH (RADIAL)	KV./ mm	10	57.3	ASTM D 149
2	COMPARATIVE TRACKING INDEX	KV	600 MIN	> 600	IEC - 60112 -2003
3	INSULATION RESISTANCE	onms	10 ¹¹	17 X 10 ¹³	ASTM D 257 - 2007
4	WATER DIFFUSION	M.A	< 1 M .A.	< 1 M.A.	IEC - 61109
E	THERMAL PROPERTIES				
1	MARTENS HEAT DISTROTION	C ⁰	200 MIN	> 200	DIN - 53462-1987
F	STRAIGHTNESS	MM	MAX. 1.50 mm / Mtr	Conformed	As per customer Spec.
G	DIMENSIONS				
1	Thread Diameter	MM	M10 Nut shall pass	OK	DRG.
2	Length	MM	600 ± 1	599/601	

NOTE: THE RESULTS RELATED TO THE ITEM TESTED

MANAGER Q.C