

**GLASS COMPOSITES****POLYESTER GLASS (LGP)**

<u>PROPERTY</u>	<u>TEST METHOD</u>	<u>VALUE</u>	<u>UNIT</u>
<u>MECHANICAL CHARACTERISTICS</u>			
TENSILE STRENGTH	ISO 527	70	Mpa
FLEXURAL STRENGTH	ISO 178	130	Mpa
SHEAR STRENGTH	EN60893-2	30	Mpa
IMPACT STRENGTH	ISO 179	40	KJ/m ²
COMPRESSIVE STRENGTH	ISO 604	250	Mpa
MODULUS STRENGTH	ISO 178	9 000	Mpa
<u>PHYSICAL STRENGTH</u>			
SPECIFIC GRAVITY	ISO 1183	1.8	g/cm ³
WATER ABSORPTION	ISO 62/1	70	mg
THERMAL CLASSIFICATION	IEC 216	155 (F)	°C
<u>ELECTRICAL CHARACTERISTICS</u>			
ARC RESISTANCE	ASTM D495	180	sec
ELECTRICAL STRENGTH IN OIL	IEC 243-1		
FLAT WISE PERPENDICULAR (3MM)		17.7	KV/mm
EDGEWISE PARALLEL		60	KV
PERMITTIVITY AT 48-62 Hz	IEC 250	4.1	
DISSIPATION FACTOR AT 48-62Hz	IEC 250	0.013	
INSULATION RESISTANCE	IEC 167	3.1 x 10 ¹²	ohm
<u>FIRE BEHAVIOR</u>			
FLAME RESISTANCE	UL 94	Vo	
SMOKE INDEX	ASTM E662		
STANDARDS MET			
EW		UPGM203	
NEMA L1		GPO3	
DIN 7735		Hm 2471	
BS 3953			
CEI			
COLOUR		RED	