

**GLASS COMPOSITES****EPOXY GLASS (LEO)**

<u>PROPERTY</u>	<u>TEST METHOD</u>	<u>VALUE</u>	<u>UNIT</u>
<u>MECHANICAL CHARACTERISTICS</u>			
TENSILE STRENGTH	ISO 527	300	Mpa
FLEXURAL STRENGTH	ISO 178	450	Mpa
SHEAR STRENGTH	EN60893-2		Mpa
IMPACT STRENGTH	ISO 179	50	KJ/m ²
COMPRESSIVE STRENGTH	ISO 604	300	Mpa
MODULUS STRENGTH	ISO 178	25 000	Mpa
<u>PHYSICAL STRENGTH</u>			
SPECIFIC GRAVITY	ISO 1183	1.9	g/cm ³
WATER ABSORPTION	ISO 62/1	22	mg
THERMAL CLASSIFICATION	IEC 216	155 (F)	°C
<u>ELECTRICAL CHARACTERISTICS</u>			
ARC RESISTANCE	ASTM D495		sec
ELECTRICAL STRENGTH IN OIL	IEC 243-1		
FLAT WISE PERPENDICULAR (3MM)		15	KV/mm
EDGEWISE PARALLEL		40	KV
PERMITTIVITY AT 48-62 Hz	IEC 250	5.5	
DISSIPATION FACTOR AT 48-62Hz	IEC 250	0.04	
INSULATION RESISTANCE	IEC 167	5 x 10 ¹⁰	ohm
<u>FIRE BEHAVIOR</u>			
FLAME RESISTANCE	UL 94		
SMOKE INDEX	ASTM E662		
STANDARDS MET			
EW			
NEMA L1		G11	
DIN 7735		Hgw 2372.4	
BS 3953		EP7	
CEI		EV	
COLOUR		NATURAL	