

## GLASS COMPOSITES

### FHT

<u>PROPERTY</u>	<u>TEST METHOD</u>	<u>VALUE</u>	<u>UNIT</u>
<b><u>MECHANICAL CHARACTERISTICS</u></b>			
TENSILE STRENGTH	ISO 527		Mpa
FLEXURAL STRENGTH	ISO 178		Mpa
SHEAR STRENGTH	EN60893-2		Mpa
IMPACT STRENGTH	ISO 179		KJ/m <sup>2</sup>
COMPRESSIVE STRENGTH	ISO 604	100	Mpa
MODULUS STRENGTH	ISO 178		Mpa
<b><u>PHYSICAL STRENGTH</u></b>			
SPECIFIC GRAVITY	ISO 1183	1.6	g/cm <sup>3</sup>
WATER ABSORPTION	ISO 62/1	70	mg
THERMAL CLASSIFICATION	IEC 216	190/200	°C
<b><u>ELECTRICAL CHARACTERISTICS</u></b>			
ARC RESISTANCE	ASTM D495	139	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	6.4	
DISSIPATION FACTOR AT 48-62Hz	IEC 250	0.07	
INSULATION RESISTANCE	IEC 167		ohm
<b><u>FIRE BEHAVIOR</u></b>			
FLAME RESISTANCE	UL 94	HB	
SMOKE INDEX	ASTM E662		
<b>STANDARDS MET</b>			
EW			
NEMA L1			
DIN 7735			
BS 3953			
CEI			
COLOUR		TAN	