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3240 Epoxy Fiber Glass Technical Data Sheet			
Technical Data	Method of Verification	Unit	3240
I.Physical Properties			
Density	ISO 1183	g/cm3	2.0~2.1
Water absorption 24hrs	ISO 62	%	0.05~0.15
III.Thermal Properties			
Max. service temperature -Short term	ISO 75-2	°C	/
Max. service temperature - Long term	ISO 75-2	°C	130~140
Coefficient of Thermal Expansion-LW	ISO 11359	m/K	/
Coefficient of Thermal Expansion-CW	ISO 11359	m/K	/
Thermal Conductivity	ISO 11359	W/(m·K)	2.2~2.5
Flammability	UL 94	Class	V-1
II.Mechanical Properties			
Tensile strength at yield	ISO 527-2	MPa	≥220
Tensile strength at break	ISO 527-2	Mpa	/
Hardness Rockwell	DIN 53505		120-125
Izod impact strength	ISO 179	kJ/m2	≥33
Bending Strength	ISO 527-2	Mpa	/
Flexural strength-LW	ISO 179	Mpa	≥314
Flexural strength-CW	ISO 179	Mpa	≥216
Adhesive Strength	ISO 179	N	5600
Compression strength-LW	ISO 179	Mpa	≥350
Compression strength-CW	ISO 179	Mpa	≥147
IV.Electrical Properties			
Volume resistivity	IEC 60093	Ohm (Ω) * cm	1.3x10 ¹⁴
Surface resistivity	IEC 60093	Ohm (Ω)	3.5x10 ¹²
Electric strength- LW	VDE 0303	kV/mm	≥14.2
Breakdown Voltage-CW	VDE 0303	kV	> 34
Relative dielectric coefficient	VDE 0303	/	≤4.7
Dielectric Loss mudule	VDE 0303	50HZ	≤0.04
Arc resistance	VDE 0303	S	/
NOTE: 1 g/cm3 = 1,000 kg/m3, 1 Mpa = 1 N/mm2, 1kV/mm = 1 MV/m			

Statement:

Property data contained herein are typical values of resin for your reference and comparison purposes only. PRIOR will not provide any legally binding guarantee of certain properties, or any suitability.