

FG2301 Datasheet

Properties	Metric	English	Test Method
Density	1.20 g/cm ³	0.443 lb/in ³	ASTM E792
Tensile Strength	76.6 MPa	11.1 kpsi	ASTM D638
Tensile Modulus	3.13 GPa	454 kpsi	ASTM D638
Elongation (at Max. Tensile Strength)	3.10%		ASTM D638
Elongation (at break)	3.30%		ASTM D638
Fracture Toughness			ASTM D5045
DMA – Dry Glass Transition			
Glass Transition - E' onset	66°C	151°F	ASTM E1640
Glass Transition - E'' Peak	74°C	165°F	ASTM E1640
Glass Transition - tan δ	84°C	183°F	ASTM E1640
Water Absorption**			ASTM D570

*Cure Cycle: 120°C 2hr

**Measured after 24-hour water boil

Cure Profile

Option	Ramp Up	Hold Temperature	Hold time	Ramp Down	Tg*
1	≤ 3°C/min	120 °C	2 hours	≤3°C/min to 60°C or less	74°C

*Measured from E'' Peak of DMA



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