

Owens Corning Glass Fiber Reinforced Polyurethane, Flaked Glass (RRIM), 23 wt.% glass

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Polyurethane, TS

Material Notes:

Polyurethane is normally used for its structural properties when molded. It is highly resistant to most organic solvents. It is not recommended for use with strong acids and alkalis, steam, fuels, and ketones. Data provided by the manufacturer, Owens Corning.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Owens-Corning-Glass-Fiber-Reinforced-Polyurethane-Flaked-Glass-RRIM-23-wt-glass.php

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	30.4 MPa	4410 psi	ASTM D638
Elongation at Break	38.9 %	38.9 %	ASTM D638
Flexural Modulus	1.00 GPa	145 ksi	ASTM D790
Izod Impact, Notched	1.10 J/cm	2.06 ft-lb/in	

Thermal Properties	Metric	English	Comments
CTE, linear	95.6 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	53.1 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	ASTM D696
	@Temperature 20.0 $^{\circ}\text{C}$	@Temperature 68.0 $^{\circ}\text{F}$	
Flammability, UL94	V-0	V-0	

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