

Owens Corning Glass Fiber Reinforced Polyurethane, Milled Fibers (RRIM), 13 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-Milled-Fibers-RRIM-13-wt-glass.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65 - 75	65 - 75	
Tensile Strength, Ultimate	19.0 MPa	2760 psi	ASTM D638
Elongation at Break	140 %	140 %	ASTM D638
Flexural Modulus	0.310 GPa	45.0 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
CTE, linear	140 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	78.0 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	ASTM D696
	@Temperature 20.0 $^{\circ}\text{C}$	@Temperature 68.0 $^{\circ}\text{F}$	
Flammability, UL94	V-0	V-0	

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