

3M RPF-C (0.24 g/cc) (Reinforced Polyurethane Foam) Continuous Strand Fiberglass

Category : Polymer , Thermoset , Polyurethane, TS , Thermoset Polyurethane Foam, Unreinforced

Material Notes:

3M™ RPF-C (Reinforced Polyurethane Foam) is a polyurethane foam with layers of continuous strand fiberglass throughout the polyurethane matrix. The composites are 37% to 60% lighter than plywood, dimensionally stable, very low water absorption (0.75% or less) and will not have any water rot or insect infestation. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-RPF-C-024-gcc-Reinforced-Polyurethane-Foam-Continuous-Strand-Fiberglass.php

Physical Properties	Metric	English	Comments
Water Absorption	0.75 %	0.75 %	ASTM C272

Mechanical Properties	Metric	English	Comments
Flexural Strength	8.039 MPa	1166 psi	ASTM D790
Flexural Modulus	0.2715 GPa	39.38 ksi	ASTM D790
Compressive Strength	2.45 MPa	356 psi	Core; ASTM C365
Compressive Modulus	0.02800 GPa	4.061 ksi	Core; ASTM C365
Shear Modulus	0.02963 GPa	4.298 ksi	Core; ASTM C273
Shear Strength	1.72 MPa	250 psi	Core; ASTM C273

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