

3M RPF-C (0.32 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-032-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	13.09 MPa	1898 psi	ASTM D790
Flexural Modulus	0.525 GPa	76.1 ksi	ASTM D790
Compressive Strength	2.96 MPa	429 psi	Core; ASTM C365
Compressive Modulus	0.05187 GPa	7.523 ksi	Core; ASTM C365
Shear Modulus	0.03527 GPa	5.115 ksi	Core; ASTM C273
Shear Strength	2.36 MPa	342 psi	Core; ASTM C273

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