

## 3M RPF-CWR (0.417 g/cc) (Reinforced Polyurethane Foam) Continuous Strand Fiberglass with Woven Roving

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 and woven roving throughout the polyurethane. The composites are 30% to 45% lighter than plywood, have a high strength-to-weight ratio, very low water absorption (1.0% 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-CWR-0417-gcc-Reinforced-Polyurethane-Foam-Continuous-Strand-Fiberglass-with-Woven-Roving.php](http://www.lookpolymers.com/polymer_3M-RPF-CWR-0417-gcc-Reinforced-Polyurethane-Foam-Continuous-Strand-Fiberglass-with-Woven-Roving.php)

Physical Properties	Metric	English	Comments
Water Absorption	1.1 %	1.1 %	ASTM C272

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	1900 MPa	276000 psi	ASTM C297
Flexural Strength	29.84 MPa	4328 psi	ASTM D790
Flexural Modulus	1.93 GPa	280 ksi	ASTM D790
Compressive Strength	0.641 MPa	93.0 psi	Core; ASTM C365
Compressive Modulus	0.13734 GPa	19.919 ksi	Core; ASTM C365
Shear Modulus	0.03265 GPa	4.735 ksi	Core; ASTM C273
Shear Strength	4.01 MPa	582 psi	Core; ASTM C273

## Contact Songhan Plastic Technology Co.,Ltd.

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