

Quadrant EPP Quadrant Nylon 612

Category : Polymer , Thermoplastic , Nylon , Nylon 612

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_Quadrant-EPP-Quadrant-Nylon-612.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	ASTM D792
Water Absorption	0.20 %	0.20 %	IMMERSION, 24 HRS.; ASTM D570 2
Water Absorption at Saturation	3.0 %	3.0 %	ASTM D570 2

Mechanical Properties	Metric	English	Comments
Tensile Strength	72.4 MPa	10500 psi	ASTM D638
Elongation at Break	35 %	35 %	ASTM D638
Tensile Modulus	2.92 GPa	424 ksi	ASTM D638
Flexural Strength	88.3 MPa	12800 psi	ASTM D638
Flexural Modulus	2.79 GPa	405 ksi	ASTM D790
Compressive Strength	82.7 MPa @Strain 10.0 %, Temperature 22.8 °C	12000 psi @Strain 10.0 %, Temperature 73.0 °F	ASTM D695
Compressive Modulus	1.83 GPa	265 ksi	ASTM D695
Shear Strength	55.2 MPa	8000 psi	ASTM D732

Thermal Properties	Metric	English	Comments
Melting Point	216 °C	420 °F	ASTM D3418

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.2	3.2	ASTM D150

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