

Ovation Polymers RIGITRON 20415 GF PBT, 15% Glass Reinforced

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

PBT - Glass reinforced (15 %), high tensile strength, stiffness and HDT. *All properties are measured after 48 hours of conditioning at 23°C and 50% relative humidity. All samples are prepared according to ASTM standards. Variations within normal tolerances are possible for various types of colors and functional properties like UV resistance. Information provided by Ovation Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ovation-Polymers-RIGITRON-20415-GF-PBT-15-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.43 g/cc	1.43 g/cc	ASTM D792
Linear Mold Shrinkage	0.0035 - 0.0045 cm/cm	0.0035 - 0.0045 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	90.0 MPa	13100 psi	50 mm/min; ASTM D638
Elongation at Break	4.0 %	4.0 %	50 mm/min; ASTM D638
Tensile Modulus	4.60 GPa	667 ksi	50 mm/min; ASTM D638
Flexural Yield Strength	125 MPa	18100 psi	1.3 mm/min; ASTM D790
Flexural Modulus	4.00 GPa	580 ksi	1.3 mm/min; ASTM D790
Izod Impact, Notched	0.427 J/cm	0.800 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	182 °C @Thickness 3.20 mm	360 °F @Thickness 0.126 in	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	170 °C @Thickness 3.20 mm	338 °F @Thickness 0.126 in	ASTM D648

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