

Ovation Polymers RIGITRON 20443 GF PBT, 43% Glass Reinforced

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

Material Notes:

PBT - Glass reinforced (43 %), 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-20443-GF-PBT-43-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.65 g/cc	1.65 g/cc	ASTM D792
Linear Mold Shrinkage	0.0030 - 0.0040 cm/cm	0.0030 - 0.0040 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	165 MPa	23900 psi	50 mm/min; ASTM D638
Elongation at Break	3.2 %	3.2 %	50 mm/min; ASTM D638
Tensile Modulus	8.00 GPa	1160 ksi	50 mm/min; ASTM D638
Flexural Yield Strength	210 MPa	30500 psi	1.3 mm/min; ASTM D790
Flexural Modulus	10.5 GPa	1520 ksi	1.3 mm/min; ASTM D790
Izod Impact, Notched	0.774 J/cm	1.45 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	212 °C @Thickness 3.20 mm	414 °F @Thickness 0.126 in	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	205 °C @Thickness 3.20 mm	401 °F @Thickness 0.126 in	ASTM D648

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