

Ovation Polymers RIGITRON 30530 GF Polyester, 30% Glass Reinforced

Category : Polymer , Thermoplastic , Polyester, TP

Material Notes:

Polyester – 30 % Glass Fiber Reinforced PET. *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-30530-GF-Polyester-30-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.56 g/cc	1.56 g/cc	ASTM D792
Linear Mold Shrinkage	0.00 - 0.00050 cm/cm @Thickness 3.17 mm	0.00 - 0.00050 in/in @Thickness 0.125 in	
Linear Mold Shrinkage, Transverse	0.00 - 0.0010 cm/cm @Thickness 3.17 mm	0.00 - 0.0010 in/in @Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	108 MPa	15700 psi	50 mm/min; ASTM D638
Elongation at Break	3.0 %	3.0 %	50 mm/min; ASTM D638
Tensile Modulus	4.00 GPa	580 ksi	50 mm/min; ASTM D638
Flexural Yield Strength	174 MPa	25200 psi	1.3 mm/min; ASTM D790
Flexural Modulus	7.60 GPa	1100 ksi	1.3 mm/min; ASTM D790
Izod Impact, Notched	0.566 J/cm	1.06 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	250 - 258 °C	482 - 496 °F	DSC @ 15°C / min; ASTM D3418

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