

A. Schulman SCHULADUR® B GF15 15% Glass Fiber Reinforced PET

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), 20% Glass Reinforced

Material Notes:

Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-SCHULADUR-B-GF15-15-Glass-Fiber-Reinforced-PET.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.46 g/cc	1.46 g/cc	ASTM D792
Linear Mold Shrinkage	0.0050 cm/cm @Thickness 3.175 mm	0.0050 in/in @Thickness 0.1250 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	103 MPa	15000 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Flexural Strength	131 MPa	19000 psi	ASTM D790
Flexural Modulus	6.07 GPa	880 ksi	ASTM D790
Izod Impact, Notched	0.587 J/cm	1.10 ft-lb/in	ASTM D256
Izod Impact, Unnotched	3.74 J/cm	7.00 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Melting Point	254 °C	489 °F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	238 °C	460 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	216 °C	420 °F	ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	280 - 300 °C	536 - 572 °F	
Mold Temperature	90.0 - 110 °C	194 - 230 °F	
Drying Temperature	130 °C	266 °F	
Dry Time	2 - 4 hour	2 - 4 hour	Predrying

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