

A. Schulman SCHULADUR® A GF33HI 33% Glass Fiber Reinforced, High Impact PBT

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 30% Glass Fiber Filled

Material Notes:

Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-SCHULADUR-A-GF33HI-33-Glass-Fiber-Reinforced-High-Impact-PBT.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.48 g/cc	1.48 g/cc	ASTM D792
Linear Mold Shrinkage	0.0020 cm/cm @Thickness 3.175 mm	0.0020 in/in @Thickness 0.1250 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	117.39 MPa	17026 psi	ASTM D638
Flexural Strength	181.5 MPa	26320 psi	ASTM D790
Flexural Modulus	8.063 GPa	1169 ksi	ASTM D790
Izod Impact, Notched	1.51 J/cm	2.82 ft-lb/in	ASTM D256
Izod Impact, Unnotched	8.01 J/cm	15.0 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	216 °C	420 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	204 °C	400 °F	ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	252 - 260 °C	485 - 500 °F	
Mold Temperature	30.0 - 65.6 °C	86.0 - 150 °F	
Drying Temperature	130 °C	266 °F	
Dry Time	2 - 4 hour	2 - 4 hour	Predrying

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