

## A. Schulman SCHULADUR® A GF20HI 20% Glass Fiber Reinforced, High Impact PBT

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 20% 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-GF20HI-20-Glass-Fiber-Reinforced-High-Impact-PBT.php](http://www.lookpolymers.com/polymer_A-Schulman-SCHULADUR-A-GF20HI-20-Glass-Fiber-Reinforced-High-Impact-PBT.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.37 g/cc	1.37 g/cc	ASTM D792
Linear Mold Shrinkage	0.0030 cm/cm @Thickness 3.175 mm	0.0030 in/in @Thickness 0.1250 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	70.81 MPa	10270 psi	ASTM D638
Tensile Strength, Yield	72.60 MPa	10530 psi	ASTM D638
Elongation at Break	4.5 %	4.5 %	ASTM D638
Flexural Strength	125 MPa	18100 psi	ASTM D790
Flexural Modulus	4.72 GPa	684 ksi	ASTM D790
Izod Impact, Notched	1.39 J/cm	2.60 ft-lb/in	ASTM D256
Izod Impact, Unnotched	8.17 J/cm	15.3 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Melting Point	224 °C	435 °F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	218 °C	424 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	193 °C	379 °F	ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	250 - 260 °C	482 - 500 °F	
Mold Temperature	30.0 - 65.6 °C	86.0 - 150 °F	
Drying Temperature	130 °C	266 °F	

Dry Time  
Processing Properties

2 - 4 hour  
Metric

2 - 4 hour  
English

Predrying  
Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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