

A. Schulman SCHULAMID® 6 GF33 33% Glass Fiber Reinforced Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 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-SCHULAMID-6-GF33-33-Glass-Fiber-Reinforced-Nylon-6.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.37 g/cc	1.37 g/cc	ASTM D792
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	ASTM D955
	@Thickness 3.175 mm	@Thickness 0.1250 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	180.83 MPa	26227 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Strength	298.72 MPa	43325 psi	ASTM D790
Flexural Modulus	8.8749 GPa	1287.2 ksi	ASTM D790
Izod Impact, Notched	1.60 J/cm	3.00 ft-lb/in	ASTM D256
Izod Impact, Unnotched	11.7 J/cm	22.0 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	218 °C	424 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	206 °C	403 °F	ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	270 - 295 °C	518 - 563 °F	
Mold Temperature	65.6 - 93.3 °C	150 - 200 °F	
Drying Temperature	79.4 °C	175 °F	
Dry Time	2 - 4 hour	2 - 4 hour	Predrying

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