

A. Schulman SCHULAMID® 66 GF13 13% Glass Fiber Reinforced Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 10% 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-66-GF13-13-Glass-Fiber-Reinforced-Nylon-66.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 g/cc	ASTM D792
Linear Mold Shrinkage	0.0070 cm/cm @Thickness 3.175 mm	0.0070 in/in @Thickness 0.1250 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	115 MPa	16700 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Strength	155 MPa	22500 psi	ASTM D790
Flexural Modulus	5.195 GPa	753.5 ksi	ASTM D790
Izod Impact, Notched	0.641 J/cm	1.20 ft-lb/in	ASTM D256
Izod Impact, Unnotched	4.11 J/cm	7.70 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Melting Point	262 °C	504 °F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	248 °C	478 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	244 °C	471 °F	ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	290 - 310 °C	554 - 590 °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
Moisture Content	0.080 - 0.12 %	0.080 - 0.12 %	

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