

## A. Schulman SCHULAMID® 66 GF40H 40% Glass Fiber Reinforced, Heat Stabilized Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , 40% 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-GF40H-40-Glass-Fiber-Reinforced-Heat-Stabilized-Nylon-66.php](http://www.lookpolymers.com/polymer_A-Schulman-SCHULAMID-66-GF40H-40-Glass-Fiber-Reinforced-Heat-Stabilized-Nylon-66.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.46 g/cc	1.46 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	207 MPa	30000 psi	ASTM D638
Elongation at Break	3.5 %	3.5 %	ASTM D638
Flexural Modulus	11.7 GPa	1700 ksi	ASTM D790
Izod Impact, Notched	1.49 J/cm	2.80 ft-lb/in	ASTM D256
Izod Impact, Unnotched	10.7 J/cm	20.0 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	260 °C	500 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	252 °C	485 °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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