

**A. Schulman SCHULAMID® 66 GB40 40% Glass Bead Reinforced Nylon 66**

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass Bead Filled

**Material Notes:**

Information provided by A. Schulman.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_A-Schulman-SCHULAMID-66-GB40-40-Glass-Bead-Reinforced-Nylon-66.php](http://www.lookpolymers.com/polymer_A-Schulman-SCHULAMID-66-GB40-40-Glass-Bead-Reinforced-Nylon-66.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.43 g/cc	1.43 g/cc	ASTM D792
Linear Mold Shrinkage	0.011 cm/cm @Thickness 3.175 mm	0.011 in/in @Thickness 0.1250 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	75.8 MPa	11000 psi	ASTM D638
Elongation at Break	2.2 %	2.2 %	ASTM D638
Flexural Strength	131 MPa	19000 psi	ASTM D790
Flexural Modulus	4.96 GPa	720 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	209 °C	408 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	182 °C	360 °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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