

A. Schulman ComAlloy® E-16558 30% Glass Fiber Reinforced Nylon

Category : Polymer , Thermoplastic , Nylon

Material Notes:

Information provided by A. Schulman. The ComAlloy product line has been integrated into the A Schulman product line.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-ComAlloy-E-16558-30-Glass-Fiber-Reinforced-Nylon.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 @Thickness 3.175 mm	0.0020 in/in @Thickness 0.1250 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	133 MPa	19300 psi	ASTM D638
Flexural Strength	219 MPa	31800 psi	ASTM D790
Flexural Modulus	8.763 GPa	1271 ksi	ASTM D790
Izod Impact, Notched	0.694 J/cm	1.30 ft-lb/in	ASTM D256
Izod Impact, Unnotched	8.17 J/cm	15.3 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	243 °C	469 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	223 °C	433 °F	ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	280 - 300 °C	536 - 572 °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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