

A. Schulman ComAlloy Hiloy® 283 PPO Alloy, Glass Reinforced

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO

Material Notes:

Data provided by the manufacturer, ComAlloy International Company.35% Glass Reinforced.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-Hiloy-283-PPO-Alloy-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	ASTM D785
Tensile Strength, Ultimate	62.0 MPa	8990 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Flexural Strength	88.0 MPa	12800 psi	ASTM D790
Flexural Modulus	8.20 GPa	1190 ksi	ASTM D790
Izod Impact, Notched	0.530 J/cm	0.993 ft-lb/in	ASTM D256
Izod Impact, Unnotched	1.71 J/cm	3.20 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	146 °C	295 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	141 °C	286 °F	ASTM D648

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	260 - 279 °C	500 - 534 °F	

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