

A. Schulman ComAlloy Hiloy® 112 Polypropylene, Glass Reinforced, Chemically Coupled, UL

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Data provided by the manufacturer, ComAlloy International Company. 20% 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-112-Polypropylene-Glass-Reinforced-Chemically-Coupled-UL.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	108	108	ASTM D785
Tensile Strength, Ultimate	70.0 MPa	10200 psi	ASTM D638
Elongation at Break	4.8 %	4.8 %	ASTM D638
Flexural Strength	90.0 MPa	13100 psi	ASTM D790
Flexural Modulus	3.00 GPa	435 ksi	ASTM D790
Izod Impact, Notched	0.800 J/cm	1.50 ft-lb/in	ASTM D256
Izod Impact, Unnotched	5.55 J/cm	10.4 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	159 °C	318 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	139 °C	282 °F	ASTM D648

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	229 - 246 °C	444 - 475 °F	

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