

A. Schulman ComAlloy Hiloy® 121 Polypropylene, Glass Reinforced, Chemically Coupled

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Data provided by the manufacturer, ComAlloy International Company. 11% 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-121-Polypropylene-Glass-Reinforced-Chemically-Coupled.php

Physical Properties	Metric	English	Comments
Density	0.970 g/cc	0.0350 lb/in ³	
Linear Mold Shrinkage	0.010 cm/cm	0.010 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	89	89	ASTM D785
Tensile Strength, Ultimate	46.0 MPa	6670 psi	ASTM D638
Elongation at Break	8.3 %	8.3 %	ASTM D638
Flexural Strength	56.0 MPa	8120 psi	ASTM D790
Flexural Modulus	1.80 GPa	261 ksi	ASTM D790
Izod Impact, Notched	0.530 J/cm	0.993 ft-lb/in	ASTM D256
Izod Impact, Unnotched	5.02 J/cm	9.40 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	160 °C	320 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	116 °C	241 °F	ASTM D648

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

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