

A. Schulman ComAlloy Hiloy® 119 Polypropylene, Glass/Mineral Reinforced, Chemically Coupled

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Glass/Mineral Reinforced

Material Notes:

Data provided by the manufacturer, ComAlloy International Company.30% Glass/Mineral 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-119-Polypropylene-GlassMineral-Reinforced-Chemically-Coupled.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	106	106	ASTM D785
Tensile Strength, Ultimate	67.0 MPa	9720 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Strength	101 MPa	14600 psi	ASTM D790
Flexural Modulus	5.80 GPa	841 ksi	ASTM D790
Izod Impact, Notched	0.590 J/cm	1.11 ft-lb/in	ASTM D256
Izod Impact, Unnotched	3.79 J/cm	7.10 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	163 °C	325 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	147 °C	297 °F	ASTM D648

Processing Properties	Metric	English	Comments
Processing Temperature	225 °C	437 °F	Approximate middle barrel temperature.

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