

A. Schulman ComAlloy Hiloy® 164 Polypropylene, Mineral Reinforced

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

Material Notes:

Data provided by the manufacturer, ComAlloy International Company.40% 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-164-Polypropylene-Mineral-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.28 g/cc	0.0462 lb/in ³	
Linear Mold Shrinkage	0.0070 cm/cm	0.0070 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	82	82	ASTM D785
Tensile Strength, Ultimate	19.0 MPa	2760 psi	ASTM D638
Elongation at Break	6.1 %	6.1 %	ASTM D638
Flexural Strength	46.0 MPa	6670 psi	ASTM D790
Flexural Modulus	6.00 GPa	870 ksi	ASTM D790
Izod Impact, Notched	0.270 J/cm	0.506 ft-lb/in	ASTM D256
Izod Impact, Unnotched	1.33 J/cm	2.49 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	143 °C	289 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	92.0 °C	198 °F	ASTM D648

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	210 - 221 °C	410 - 430 °F	

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