

A. Schulman ComAlloy Hiloy® 213 Polystyrene, Glass Reinforced

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Glass Filled

Material Notes:

Data provided by the manufacturer, ComAlloy International Company.30% 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-213-Polystyrene-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.26 g/cc	0.0455 lb/in ³	
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	116	116	ASTM D785
Tensile Strength, Ultimate	76.0 MPa	11000 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Flexural Strength	103 MPa	14900 psi	ASTM D790
Flexural Modulus	6.90 GPa	1000 ksi	ASTM D790
Izod Impact, Notched	1.33 J/cm	2.49 ft-lb/in	ASTM D256
Izod Impact, Unnotched	2.83 J/cm	5.30 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	106 °C	223 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	99.0 °C	210 °F	ASTM D648

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	216 - 241 °C	421 - 466 °F	

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