

A. Schulman ComAlloy E-16902N PPS Alloy, Electrically Conductive - Stainless Steel Fiber Filled

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS), Conductive

Material Notes:

Data provided by the manufacturer, ComAlloy International Company. 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-E-16902N-PPS-Alloy-Electrically-Conductive-Stainless-Steel-Fiber-Filled.php

Physical Properties	Metric	English	Comments
Density	1.75 g/cc	0.0632 lb/in ³	
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D785
Tensile Strength, Ultimate	90.0 MPa	13100 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Flexural Yield Strength	145 MPa	21000 psi	ASTM D790
Flexural Modulus	14.0 GPa	2030 ksi	ASTM D790
Izod Impact, Unnotched	1.60 J/cm	3.00 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	280 - 290 °C	536 - 554 °F	
Deflection Temperature at 0.46 MPa (66 psi)	260 °C	500 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	252 °C	486 °F	ASTM D648

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00 - 10.0 ohm-cm	1.00 - 10.0 ohm-cm	
Surface Resistance	10 - 100 ohm	10 - 100 ohm	

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