

A. Schulman ComAlloy Comshield® 215 High Impact Polystyrene, Electrically Conductive - Carbon Black Filled

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Carbon Black Filled

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-Comshield-215-High-Impact-Polystyrene-Electrically-Conductive-Carbon-Black-Filled.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	107	107	ASTM D785
Tensile Strength, Ultimate	32.0 MPa	4640 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Flexural Strength	49.0 MPa	7110 psi	ASTM D790
Flexural Modulus	6.00 GPa	870 ksi	ASTM D790
Izod Impact, Unnotched	0.600 J/cm	1.12 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	101 °C	214 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	87.0 °C	189 °F	ASTM D648

Electrical Properties	Metric	English	Comments
Electrical Resistivity	100 - 1000 ohm-cm	100 - 1000 ohm-cm	
Surface Resistance	1000 - 10000 ohm	1000 - 10000 ohm	

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