

## A. Schulman ComAlloy Comshield® 229 ABS, Electrically Conductive - Stainless Steel Fiber Filled

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Stainless Steel Fiber 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-229-ABS-Electrically-Conductive-Stainless-Steel-Fiber-Filled.php](http://www.lookpolymers.com/polymer_A-Schulman-ComAlloy-Comshield-229-ABS-Electrically-Conductive-Stainless-Steel-Fiber-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in <sup>3</sup>	
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	108	108	ASTM D785
Tensile Strength, Ultimate	41.0 MPa	5950 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Yield Strength	69.0 MPa	10000 psi	ASTM D790
Flexural Modulus	3.00 GPa	435 ksi	ASTM D790
Izod Impact, Unnotched	4.30 J/cm	8.06 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	107 °C	225 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	104 °C	219 °F	ASTM D648

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.100 - 1.00 ohm-cm	0.100 - 1.00 ohm-cm	
Surface Resistance	1.0 - 10 ohm	1.0 - 10 ohm	

## Contact Songhan Plastic Technology Co.,Ltd.

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