

## A. Schulman ComAlloy Hiloy® 212 Polystyrene, Glass Reinforced

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

### Material Notes:

Data provided by the manufacturer, ComAlloy International Company.20% 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-212-Polystyrene-Glass-Reinforced.php](http://www.lookpolymers.com/polymer_A-Schulman-ComAlloy-Hiloy-212-Polystyrene-Glass-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in <sup>3</sup>	
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	68.0 MPa	9860 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Strength	90.0 MPa	13100 psi	ASTM D790
Flexural Modulus	6.80 GPa	986 ksi	ASTM D790
Izod Impact, Notched	1.28 J/cm	2.40 ft-lb/in	ASTM D256
Izod Impact, Unnotched	2.94 J/cm	5.51 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	

## Contact Songhan Plastic Technology Co.,Ltd.

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