

## A. Schulman ComAlloy Hiloy® 223 ABS, Glass Reinforced

Category : Polymer , Thermoplastic , ABS Polymer

### 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-223-ABS-Glass-Reinforced.php](http://www.lookpolymers.com/polymer_A-Schulman-ComAlloy-Hiloy-223-ABS-Glass-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.26 g/cc	0.0455 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	107	107	ASTM D785
Tensile Strength, Ultimate	93.0 MPa	13500 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Strength	131 MPa	19000 psi	ASTM D790
Flexural Modulus	7.30 GPa	1060 ksi	ASTM D790
Izod Impact, Notched	0.690 J/cm	1.29 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)	104 °C	219 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	94.0 °C	201 °F	ASTM D648

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	235 - 266 °C	455 - 511 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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