

## A. Schulman ComAlloy Hiloy® 433 Glass Reinforced, PBT Alloy

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT)

### Material Notes:

Data provided by the manufacturer, ComAlloy International Company.45% 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-433-Glass-Reinforced-PBT-Alloy.php](http://www.lookpolymers.com/polymer_A-Schulman-ComAlloy-Hiloy-433-Glass-Reinforced-PBT-Alloy.php)

Physical Properties	Metric	English	Comments
Density	1.64 g/cc	0.0592 lb/in <sup>3</sup>	
Linear Mold Shrinkage	0.0010 cm/cm	0.0010 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength, Ultimate	145 MPa	21000 psi	ASTM D638
Elongation at Break	1.7 %	1.7 %	ASTM D638
Flexural Strength	223 MPa	32300 psi	ASTM D790
Flexural Modulus	14.5 GPa	2100 ksi	ASTM D790
Izod Impact, Notched	0.800 J/cm	1.50 ft-lb/in	ASTM D256
Izod Impact, Unnotched	6.99 J/cm	13.1 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	210 - 225 °C	410 - 437 °F	
Deflection Temperature at 0.46 MPa (66 psi)	224 °C	435 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	207 °C	405 °F	ASTM D648

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	235 - 249 °C	455 - 480 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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