

## A. Schulman ComAlloy Hiloy® 432 Glass Reinforced, PBT Alloy

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

### Material Notes:

Data provided by the manufacturer, ComAlloy International Company.33% 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-432-Glass-Reinforced-PBT-Alloy.php](http://www.lookpolymers.com/polymer_A-Schulman-ComAlloy-Hiloy-432-Glass-Reinforced-PBT-Alloy.php)

Physical Properties	Metric	English	Comments
Density	1.52 g/cc	0.0549 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	120	120	ASTM D785
Tensile Strength, Ultimate	118 MPa	17100 psi	ASTM D638
Elongation at Break	2.1 %	2.1 %	ASTM D638
Flexural Strength	190 MPa	27600 psi	ASTM D790
Flexural Modulus	9.40 GPa	1360 ksi	ASTM D790
Izod Impact, Notched	0.750 J/cm	1.41 ft-lb/in	ASTM D256
Izod Impact, Unnotched	7.10 J/cm	13.3 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)	220 °C	428 °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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