

## A. Schulman ComAlloy Hiloy® 632 Nylon 6/6, Glass Reinforced, Flow Enhanced, UL

Category : Polymer , Thermoplastic , Nylon , Nylon 66

**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-632-Nylon-66-Glass-Reinforced-Flow-Enhanced-UL.php](http://www.lookpolymers.com/polymer_A-Schulman-ComAlloy-Hiloy-632-Nylon-66-Glass-Reinforced-Flow-Enhanced-UL.php)

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in <sup>3</sup>	
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength, Ultimate	127 MPa	18400 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Strength	169 MPa	24500 psi	ASTM D790
Flexural Modulus	4.80 GPa	696 ksi	ASTM D790
Izod Impact, Notched	0.530 J/cm	0.993 ft-lb/in	ASTM D256
Izod Impact, Unnotched	5.60 J/cm	10.5 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	255 - 275 °C	491 - 527 °F	
Deflection Temperature at 0.46 MPa (66 psi)	210 °C	410 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	200 °C	392 °F	ASTM D648

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	271 - 285 °C	520 - 545 °F	

**Contact Songhan Plastic Technology Co.,Ltd.**

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