

## A. Schulman ComAlloy Hiloy® 656 Nylon 6/6, Carbon/Glass Fiber Reinforced, Flow Enhanced, UL

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass/Carbon Fiber Filled

### Material Notes:

Data provided by the manufacturer, ComAlloy International Company. 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-656-Nylon-66-CarbonGlass-Fiber-Reinforced-Flow-Enhanced-UL.php](http://www.lookpolymers.com/polymer_A-Schulman-ComAlloy-Hiloy-656-Nylon-66-CarbonGlass-Fiber-Reinforced-Flow-Enhanced-UL.php)

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 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	152 MPa	22000 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Strength	254 MPa	36800 psi	ASTM D790
Flexural Modulus	10.1 GPa	1460 ksi	ASTM D790
Izod Impact, Notched	0.530 J/cm	0.993 ft-lb/in	ASTM D256
Izod Impact, Unnotched	4.59 J/cm	8.60 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)	230 °C	446 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	220 °C	428 °F	ASTM D648

Processing Properties	Metric	English	Comments
Processing Temperature	290 °C	554 °F	Approximate middle barrel temperature.

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

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