

## A. Schulman ComAlloy Hiloy® 663 Nylon 6, Glass Bead Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Glass Bead Filled

**Material Notes:**

Data provided by the manufacturer, ComAlloy International Company.30% Glass Bead 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-663-Nylon-6-Glass-Bead-Reinforced.php](http://www.lookpolymers.com/polymer_A-Schulman-ComAlloy-Hiloy-663-Nylon-6-Glass-Bead-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 lb/in <sup>3</sup>	
Linear Mold Shrinkage	0.011 cm/cm	0.011 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D785
Tensile Strength, Ultimate	70.0 MPa	10200 psi	ASTM D638
Elongation at Break	10 %	10 %	ASTM D638
Flexural Strength	145 MPa	21000 psi	ASTM D790
Flexural Modulus	4.50 GPa	653 ksi	ASTM D790
Izod Impact, Notched	0.270 J/cm	0.506 ft-lb/in	ASTM D256
Izod Impact, Unnotched	NB	NB	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	205 - 225 °C	401 - 437 °F	
Deflection Temperature at 0.46 MPa (66 psi)	193 °C	379 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	114 °C	237 °F	ASTM D648

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	260 - 271 °C	500 - 520 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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