

## A. Schulman ComAlloy Comtuf® 621 Nylon 6/6, Glass Reinforced, Impact Modified, Flow Enhanced

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass Reinforced, Impact Grade

### Material Notes:

Data provided by the manufacturer, ComAlloy International Company. 13% Glass Reinforced. Superior toughness and impact resistance characterize Comtuf® materials. 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-Comtuf-621-Nylon-66-Glass-Reinforced-Impact-Modified-Flow-Enhanced.php](http://www.lookpolymers.com/polymer_A-Schulman-ComAlloy-Comtuf-621-Nylon-66-Glass-Reinforced-Impact-Modified-Flow-Enhanced.php)

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in <sup>3</sup>	
Linear Mold Shrinkage	0.0070 cm/cm	0.0070 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	116	116	ASTM D785
Tensile Strength, Ultimate	72.0 MPa	10400 psi	ASTM D638
Elongation at Break	5.0 %	5.0 %	ASTM D638
Flexural Strength	118 MPa	17100 psi	ASTM D790
Flexural Modulus	3.90 GPa	566 ksi	ASTM D790
Izod Impact, Notched	0.800 J/cm	1.50 ft-lb/in	ASTM D256
Izod Impact, Unnotched	4.96 J/cm	9.29 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)	247 °C	477 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	202 °C	396 °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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