

## A. Schulman ComAlloy Comtuf® 613 Nylon 6, Glass Reinforced, Impact Modified

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Glass Filled, Impact Grade

### Material Notes:

Data provided by the manufacturer, ComAlloy International Company.30% Glass Reinforced. Superior toughness and impact resistance characterize Comtuf® materialsThe 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-613-Nylon-6-Glass-Reinforced-Impact-Modified.php](http://www.lookpolymers.com/polymer_A-Schulman-ComAlloy-Comtuf-613-Nylon-6-Glass-Reinforced-Impact-Modified.php)

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 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	119	119	ASTM D785
Tensile Strength, Ultimate	103 MPa	14900 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Strength	160 MPa	23200 psi	ASTM D790
Flexural Modulus	7.30 GPa	1060 ksi	ASTM D790
Izod Impact, Notched	1.28 J/cm	2.40 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)	214 °C	417 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	197 °C	387 °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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