

## A. Schulman ComAlloy Voloy® 613 Nylon 6, Glass Reinforced, Flame Retardant, UL

Category : Polymer , Thermoplastic , Nylon , Nylon 6

### Material Notes:

Data provided by the manufacturer, ComAlloy International Company.30% 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-Voloy-613-Nylon-6-Glass-Reinforced-Flame-Retardant-UL.php](http://www.lookpolymers.com/polymer_A-Schulman-ComAlloy-Voloy-613-Nylon-6-Glass-Reinforced-Flame-Retardant-UL.php)

Physical Properties	Metric	English	Comments
Density	1.57 g/cc	0.0567 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	118	118	ASTM D785
Tensile Strength, Ultimate	145 MPa	21000 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Strength	234 MPa	33900 psi	ASTM D790
Flexural Modulus	11.0 GPa	1600 ksi	ASTM D790
Izod Impact, Notched	1.12 J/cm	2.10 ft-lb/in	ASTM D256
Izod Impact, Unnotched	8.54 J/cm	16.0 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	205 - 225 °C	401 - 437 °F	
Deflection Temperature at 0.46 MPa (66 psi)	220 °C	428 °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	260 - 271 °C	500 - 520 °F	

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

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China