

## A. Schulman ComAlloy Voloy® 630 Nylon 6/6, Flow Enhanced, Flame Retardant, UL

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Unreinforced, Flame Retardant

### 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-Voloy-630-Nylon-66-Flow-Enhanced-Flame-Retardant-UL.php](http://www.lookpolymers.com/polymer_A-Schulman-ComAlloy-Voloy-630-Nylon-66-Flow-Enhanced-Flame-Retardant-UL.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	115	115	ASTM D785
Tensile Strength, Ultimate	61.0 MPa	8850 psi	ASTM D638
Elongation at Break	17 %	17 %	ASTM D638
Flexural Strength	99.0 MPa	14400 psi	ASTM D790
Flexural Modulus	2.70 GPa	392 ksi	ASTM D790
Izod Impact, Notched	0.640 J/cm	1.20 ft-lb/in	ASTM D256
Izod Impact, Unnotched	NB	NB	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	255 - 275 °C	491 - 527 °F	
Deflection Temperature at 0.46 MPa (66 psi)	173 °C	343 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	77.0 °C	171 °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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