

## A. Schulman ComAlloy Hiloy® 627 Nylon 6/6, Mineral Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 66

**Material Notes:**

Data provided by the manufacturer, ComAlloy International Company.20% Mineral 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-627-Nylon-66-Mineral-Reinforced.php](http://www.lookpolymers.com/polymer_A-Schulman-ComAlloy-Hiloy-627-Nylon-66-Mineral-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in <sup>3</sup>	
Linear Mold Shrinkage	0.0090 cm/cm	0.0090 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D785
Tensile Strength, Ultimate	80.0 MPa	11600 psi	ASTM D638
Elongation at Break	5.0 %	5.0 %	ASTM D638
Flexural Strength	134 MPa	19400 psi	ASTM D790
Flexural Modulus	4.70 GPa	682 ksi	ASTM D790
Izod Impact, Notched	0.270 J/cm	0.506 ft-lb/in	ASTM D256
Izod Impact, Unnotched	1.65 J/cm	3.09 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)	243 °C	469 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	100 °C	212 °F	ASTM D648

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	291 - 302 °C	556 - 576 °F	

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

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