

## A. Schulman ComAlloy Hiloy® 109 Polypropylene, Glass/Mineral Reinforced, Chemically Coupled

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Glass/Mineral Reinforced

### Material Notes:

Data provided by the manufacturer, ComAlloy International Company.40% Glass/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-109-Polypropylene-GlassMineral-Reinforced-Chemically-Coupled.php](http://www.lookpolymers.com/polymer_A-Schulman-ComAlloy-Hiloy-109-Polypropylene-GlassMineral-Reinforced-Chemically-Coupled.php)

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in <sup>3</sup>	
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	ASTM D785
Tensile Strength, Ultimate	61.0 MPa	8850 psi	ASTM D638
Elongation at Break	3.8 %	3.8 %	ASTM D638
Flexural Strength	109 MPa	15800 psi	ASTM D790
Flexural Modulus	5.60 GPa	812 ksi	ASTM D790
Izod Impact, Notched	0.590 J/cm	1.11 ft-lb/in	ASTM D256
Izod Impact, Unnotched	3.52 J/cm	6.59 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	169 °C	336 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	143 °C	289 °F	ASTM D648

Processing Properties	Metric	English	Comments
Processing Temperature	225 °C	437 °F	Approximate middle barrel temperature.

## Contact Songhan Plastic Technology Co.,Ltd.

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