

## A. Schulman ComAlloy Voloy® 110 Polypropylene, Mineral Reinforced, Flame Retardant, UL

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

### Material Notes:

Data provided by the manufacturer, ComAlloy International Company. 15% 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-Voloy-110-Polypropylene-Mineral-Reinforced-Flame-Retardant-UL.php](http://www.lookpolymers.com/polymer_A-Schulman-ComAlloy-Voloy-110-Polypropylene-Mineral-Reinforced-Flame-Retardant-UL.php)

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in <sup>3</sup>	
Linear Mold Shrinkage	0.015 cm/cm	0.015 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	98	98	ASTM D785
Tensile Strength, Ultimate	30.0 MPa	4350 psi	ASTM D638
Elongation at Break	10 %	10 %	ASTM D638
Flexural Strength	50.0 MPa	7250 psi	ASTM D790
Flexural Modulus	2.00 GPa	290 ksi	ASTM D790
Izod Impact, Notched	0.430 J/cm	0.806 ft-lb/in	ASTM D256
Izod Impact, Unnotched	7.10 J/cm	13.3 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	118 °C	244 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	55.0 °C	131 °F	ASTM D648

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	210 - 221 °C	410 - 430 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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