

A. Schulman ComAlloy Aqualoy® 140 Polypropylene, Glass Reinforced, Chemically Coupled NSF

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Data provided by the manufacturer, ComAlloy International Company. 30% Glass Reinforced. In Aqualoy® materials, carefully selected base resins and proprietary additives meld hydrolytic stability and high strength traits into a unique property blend. 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-Aqualoy-140-Polypropylene-Glass-Reinforced-Chemically-Coupled-NSF.php

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in ³	
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	106	106	ASTM D785
Tensile Strength, Ultimate	76.0 MPa	11000 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Strength	112 MPa	16200 psi	ASTM D790
Flexural Modulus	5.50 GPa	798 ksi	ASTM D790
Izod Impact, Notched	0.960 J/cm	1.80 ft-lb/in	ASTM D256
Izod Impact, Unnotched	6.57 J/cm	12.3 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	164 °C	327 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	151 °C	304 °F	ASTM D648

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	229 - 246 °C	444 - 475 °F	

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