

A. Schulman ComAlloy Aqualoy® 145 Polypropylene, Glass Reinforced, Chemically Coupled NSF

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Data provided by the manufacturer, ComAlloy International Company. 40% 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-145-Polypropylene-Glass-Reinforced-Chemically-Coupled-NSF.php

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in ³	
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	107	107	ASTM D785
Tensile Strength, Ultimate	81.0 MPa	11700 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Strength	108 MPa	15700 psi	ASTM D790
Flexural Modulus	5.70 GPa	827 ksi	ASTM D790
Izod Impact, Notched	0.800 J/cm	1.50 ft-lb/in	ASTM D256
Izod Impact, Unnotched	3.63 J/cm	6.80 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	161 °C	322 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	145 °C	293 °F	ASTM D648

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

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