

A. Schulman ComAlloy® E-17036 Glass Fiber Reinforced High Heat Polycarbonate

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, High Heat

Material Notes:

Information provided by A. Schulman. 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-E-17036-Glass-Fiber-Reinforced-High-Heat-Polycarbonate.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.41 g/cc	1.41 g/cc	ASTM D792
Linear Mold Shrinkage	0.0010 - 0.0020 cm/cm @Thickness 3.175 mm	0.0010 - 0.0020 in/in @Thickness 0.1250 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	117 MPa	16900 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Strength	186 MPa	27000 psi	ASTM D790
Flexural Modulus	7.853 GPa	1139 ksi	ASTM D790
Izod Impact, Notched	1.60 J/cm	3.00 ft-lb/in	ASTM D256
Izod Impact, Unnotched	8.01 J/cm	15.0 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	149 °C	300 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	143 °C	289 °F	ASTM D648

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