

A. Schulman ComAlloy® E-14756 Flame Retardant Easy Flow Polycarbonate Alloy

Category : Polymer , Thermoplastic , Polycarbonate (PC)

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-14756-Flame-Retardant-Easy-Flow-Polycarbonate-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.34 g/cc	1.34 g/cc	ASTM D792
Linear Mold Shrinkage	0.0030 cm/cm @Thickness 3.175 mm	0.0030 in/in @Thickness 0.1250 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	56.5 MPa	8200 psi	ASTM D638
Elongation at Break	15 %	15 %	ASTM D638
Flexural Strength	89.6 MPa	13000 psi	ASTM D790
Flexural Modulus	2.74 GPa	398 ksi	ASTM D790
Izod Impact, Notched	1.12 J/cm	2.10 ft-lb/in	ASTM D256
Izod Impact, Unnotched	4.22 J/cm	7.90 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	97.8 °C	208 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	83.9 °C	183 °F	ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	250 - 270 °C	482 - 518 °F	
Mold Temperature	65.0 - 95.0 °C	149 - 203 °F	
Drying Temperature	110 °C	230 °F	
Dry Time	2 - 4 hour	2 - 4 hour	Predrying

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