

A. Schulman ComAlloy® E-12672 Polyester Alloy

Category : Polymer , Thermoplastic , Polyester, TP

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-12672-Polyester-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM D792
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	ASTM D955
	@Thickness 3.175 mm	@Thickness 0.1250 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	55.6 MPa	8070 psi	ASTM D638
Elongation at Break	120 %	120 %	ASTM D638
Flexural Strength	82.7 MPa	12000 psi	ASTM D790
Flexural Modulus	2.28 GPa	330 ksi	ASTM D790
Izod Impact, Notched	5.34 J/cm	10.0 ft-lb/in	ASTM D256
Izod Impact, Unnotched	NB	NB	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	131 °C	268 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	46.7 °C	116 °F	ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	260 - 280 °C	500 - 536 °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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