

A. Schulman COMTUF® 462 Glass/Fiber Mineral Reinforced, Impact Modified PET Alloy

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), Glass/Mineral Reinforced

Material Notes:

Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-COMTUF-462-GlassFiber-Mineral-Reinforced-Impact-Modified-PET-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.61 g/cc	1.61 g/cc	ASTM D792
Linear Mold Shrinkage	0.0010 cm/cm @Thickness 3.175 mm	0.0010 in/in @Thickness 0.1250 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	93.1 MPa	13500 psi	ASTM D638
Elongation at Break	3.4 %	3.4 %	ASTM D638
Flexural Strength	157 MPa	22700 psi	ASTM D790
Izod Impact, Notched	0.908 J/cm	1.70 ft-lb/in	ASTM D256
Izod Impact, Unnotched	5.34 J/cm	10.0 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	222 °C	432 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	200 °C	392 °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	130 °C	266 °F	
Dry Time	2 - 4 hour	2 - 4 hour	Predrying

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