

A. Schulman ComAlloy Comtuf® 462 Glass/Mineral Reinforced, PET Alloy, Impact Modified, UL

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

Material Notes:

Data provided by the manufacturer, ComAlloy International Company.50% Glass/Mineral Reinforced.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-Comtuf-462-GlassMineral-Reinforced-PET-Alloy-Impact-Modified-UL.php

Physical Properties	Metric	English	Comments
Density	1.61 g/cc	0.0582 lb/in ³	
Linear Mold Shrinkage	0.0010 cm/cm	0.0010 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	119	119	ASTM D785
Tensile Strength, Ultimate	93.0 MPa	13500 psi	ASTM D638
Elongation at Break	3.4 %	3.4 %	ASTM D638
Flexural Strength	157 MPa	22800 psi	ASTM D790
Flexural Modulus	10.6 GPa	1540 ksi	ASTM D790
Izod Impact, Notched	0.910 J/cm	1.70 ft-lb/in	ASTM D256
Izod Impact, Unnotched	5.34 J/cm	10.0 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	258 - 268 °C	496 - 514 °F	
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
Middle Barrel Temperature	296 - 304 °C	565 - 579 °F	

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