

## A. Schulman ComAlloy Comtuf® 463 Glass Reinforced, Impact Modified, PBT Alloy

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Glass Filled, Impact Modified

### Material Notes:

Data provided by the manufacturer, ComAlloy International Company.45% Glass Reinforced. Superior toughness and impact resistance characterize Comtuf® materialsThe 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-463-Glass-Reinforced-Impact-Modified-PBT-Alloy.php](http://www.lookpolymers.com/polymer_A-Schulman-ComAlloy-Comtuf-463-Glass-Reinforced-Impact-Modified-PBT-Alloy.php)

Physical Properties	Metric	English	Comments
Density	1.63 g/cc	0.0589 lb/in <sup>3</sup>	
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	119 MPa	17300 psi	ASTM D638
Elongation at Break	6.4 %	6.4 %	ASTM D638
Flexural Strength	170 MPa	24700 psi	ASTM D790
Flexural Modulus	13.0 GPa	1890 ksi	ASTM D790
Izod Impact, Notched	0.750 J/cm	1.41 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	210 - 225 °C	410 - 437 °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
Processing Temperature	240 °C	464 °F	Approximate middle barrel temperature.

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