

PolyOne Edgetek® MLS-10GF/000 Polysulfone Alloy - 10% Glass Fiber Reinforced (discontinued **)

Category : Polymer , Thermoplastic , Polysulfone (PSU)

Material Notes:

Data provided by PolyOne.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Edgetek-MLS-10GF000-Polysulfone-Alloy-10-Glass-Fiber-Reinforced-nbspdiscontinued.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.29 g/cc	1.29 g/cc	ASTM D792
Water Absorption	0.18 % @Thickness 3.17 mm	0.18 % @Thickness 0.125 in	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	86.2 MPa	12500 psi	Type 1 - Rigids, Yield, 0.2 in/min; ASTM D638
Elongation at Break	3.0 - 4.0 %	3.0 - 4.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	4.62 GPa	670 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	110 MPa	16000 psi	ASTM D790
Flexural Modulus	4.48 GPa	650 ksi	ASTM D790
Izod Impact, Notched	0.801 J/cm @Thickness 3.17 mm, Temperature 23.0 °C	1.50 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

Processing Properties	Metric	English	Comments
Melt Temperature	332 - 349 °C	630 - 660 °F	Molding

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