

PolyOne Edgetek® MLS-XC195C-2 Polysulfone Alloy - ESD Material - Lubricated (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-XC195C-2-Polysulfone-Alloy-ESD-Material-Lubricated-nbspdiscontinued.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.29 g/cc	1.29 g/cc	ASTM D792
Water Absorption	0.20 % @Thickness 3.17 mm	0.20 % @Thickness 0.125 in	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0020 - 0.0030 cm/cm	0.0020 - 0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	107 MPa	15500 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	6.21 GPa	900 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	124 MPa	18000 psi	ASTM D790
Flexural Modulus	6.21 GPa	900 ksi	ASTM D790
Izod Impact, Notched	0.801 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	1.50 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

Electrical Properties	Metric	English	Comments
Volume Resistivity	10000 ohm-cm - 1e+05	10000 ohm-cm - 1e+05	ASTM D257
Surface Resistivity per Square	1e+05 - 1.00e+7 ohm	1e+05 - 1.00e+7 ohm	ASTM D257

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

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