

PolyOne Edgetek® PE-40GF/000 NATURAL High Density Polyethylene (HDPE), Glass Filled (discontinued **)

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE

Material Notes:

Description/Features: Glass Fiber Reinforced Natural PolyOne First Choice Information provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Edgetek-PE-40GF000-NATURAL-High-Density-Polyethylene-HDPE-Glass-Filled-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.28 g/cc	1.28 g/cc	ASTM D792
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	58.6 MPa	8500 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Break	5.0 %	5.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	5.17 GPa	750 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Izod Impact, Notched	1.33 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	2.50 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	121 °C	250 °F	Annealed, 0.125 in bars; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	193 - 221 °C	380 - 430 °F	Molding
Mold Temperature	26.7 - 54.4 °C	80.0 - 130 °F	

Descriptive Properties	Value	Comments
Product Form	Pellets	

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