

**PolyOne Edgetek® PE-40MC/000 High Density Polyethylene (HDPE)
(discontinued **)**

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

Material Notes:

Description/Features:Mica FilledInformation provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Edgetek-PE-40MC000-High-Density-Polyethylene-HDPE-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.304 g/cc	1.304 g/cc	ASTM D792
Water Absorption	0.010 % @Thickness 3.17 mm	0.010 % @Thickness 0.125 in	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0060 - 0.0070 cm/cm	0.0060 - 0.0070 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	34.5 MPa	5000 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Break	7.0 %	7.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	1.72 GPa	250 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	34.5 MPa	5000 psi	ASTM D790
Flexural Modulus	1.72 GPa	250 ksi	ASTM D790
Izod Impact, Notched	0.961 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	1.80 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

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