

PolyOne Edgetek® PS-25MN/000 Polybutylene Terephthalate (PBT), Mineral Filled (discontinued **)

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:
Description/Features:Mineral FilledUL 94 HBPolyOne First ChoiceInformation provided by PolyOne Corporation.

Order this product through the following link:
http://www.lookpolymers.com/polymer_PolyOne-Edgetek-PS-25MN000-Polybutylene-Terephthalate-PBT-Mineral-Filled-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.49 g/cc	1.49 g/cc	ASTM D792
Water Absorption	0.080 %	0.080 %	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.014 cm/cm	0.014 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	60.7 MPa	8800 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Break	4.0 %	4.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	4.21 GPa	610 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	110 MPa	16000 psi	ASTM D790
Flexural Modulus	4.34 GPa	630 ksi	ASTM D790
Izod Impact, Notched	0.374 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	0.700 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

Processing Properties	Metric	English	Comments
Melt Temperature	238 - 260 °C	460 - 500 °F	Molding
Mold Temperature	65.6 - 93.3 °C	150 - 200 °F	
Drying Temperature	104 °C	220 °F	
Dry Time	2 hour	2 hour	

Descriptive Properties	Value	Comments
Product Form	Pellets	

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