

PolyOne Edgetek® X AS-40CF/000 Natural SE Acrylonitrile Butadiene Styrene (ABS)

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

The Edgetek® Engineering Thermoplastic Compounds portfolio covers a broad range of standard and custom-formulated high performance materials. This portfolio includes high-temperature materials for elevated service temperature environments, high-modulus / structural materials for load-bearing and high-strength applications and flame-retardant products. These compounds are based on select engineering thermoplastic resins that are compounded with reinforcing additives such as carbon fiber, glass fiber and glass beads. Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Edgetek-X-AS-40CF000-Natural-SE-Acrylonitrile-Butadiene-Styrene-ABS.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.24 g/cc	1.24 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength	80.5 MPa	11700 psi	ASTM D638
Flexural Strength	181 MPa	26300 psi	ASTM D790
Flexural Modulus	16.8 GPa	2440 ksi	ASTM D790
Izod Impact, Notched	0.480 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	0.899 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Injection Molded; ASTM D256A

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 530 ohm-cm	<= 530 ohm-cm	ASTM D257
Surface Resistance	<= 290 ohm	<= 290 ohm	ASTM D257

Descriptive Properties	Value	Comments
Features	Platable	
Filler / Reinforcement	Carbon Fiber Reinforcement, 40% Filler by Weight	
Forms	Pellets	
Generic Material	ABS	
Generic Name	Acrylonitrile Butadiene Styrene (ABS)	
Regional Availability	Africa & Middle East	

Descriptive Properties	Value	Comments
	Europe	
	North America	
	South America	

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