

PolyOne Edgetek® CY-1000 UV FR V0 Acrylonitrile Butadiene Styrene + PC (ABS+PC)

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate (PC)

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-CY-1000-UV-FR-V0-Acrylonitrile-Butadiene-Styrene-PC-ABS-PC.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 g/cc	ASTM D792
Water Absorption	0.10 %	0.10 %	@ 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	58.6 MPa	8500 psi	ASTM D638
Elongation at Break	10 %	10 %	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	2.14 GPa	310 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	96.5 MPa	14000 psi	ASTM D790
Flexural Modulus	2.62 GPa	380 ksi	ASTM D790
Izod Impact, Notched	1.10 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	2.06 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Injection Molded; ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	65.6 °C	150 °F	Unannealed; ASTM D648
Flammability, UL94	V-0 @Thickness 1.59 mm	V-0 @Thickness 0.0626 in	ALL; Internal Method

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+17 ohm-cm	1.00e+17 ohm-cm	ASTM D257

Electrical Properties	Metric	English	Comments
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Descriptive Properties	Value	Comments
Features	Flame Retardant	
Forms	Pellets	
Generic Material	ABS+PC	
Generic Name	Acrylonitrile Butadiene Styrene + PC (ABS+PC)	
Outdoor Suitability	f2	UL 746C
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
RoHS Compliance	RoHS Compliant	

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