

PolyOne Edgetek® CY-10GF/000 UV FR V0 NATURAL PC/ABS Blend, Glass Filled (discontinued **)

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Glass Fiber Filled , Polycarbonate (PC)

Material Notes:

Description/Features: Glass Fiber Reinforced Non-Halogenated Flame Retardant UL 94 V0 PolyOne First Choice Information provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Edgetek-CY-10GF000-UV-FR-V0-NATURAL-PCABS-Blend-Glass-Filled-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.27 g/cc	1.27 g/cc	ASTM D792
Linear Mold Shrinkage	0.0030 - 0.0040 cm/cm	0.0030 - 0.0040 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	74.60 MPa	10820 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Break	5.5 %	5.5 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	4.238 GPa	614.7 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	118.67 MPa	17212 psi	ASTM D790
Flexural Modulus	3.86 GPa	560 ksi	ASTM D790
Izod Impact, Notched	0.520 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	0.974 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)	70.0 °C	158 °F	Annealed, 0.125 in bars; ASTM D648
Flammability, UL94	V-0	V-0	All Colors; 0.063 in.

Processing Properties	Metric	English	Comments
Melt Temperature	232 - 260 °C	450 - 500 °F	Molding
Mold Temperature	82.2 - 93.3 °C	180 - 200 °F	
Drying Temperature	93.3 °C	200 °F	

Dry Time Processing Properties	4 hour Metric	4 hour English	Comments
Descriptive Properties	Value		Comments
Product Form	Pellets		

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