

PolyOne Edgetek® XT XT-100-BW01 Natural PC+PBT (discontinued **)

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/Polybutylene Terephthalate (PBT) Blend, Unreinforced , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

EDGE TEK™ XT High Performance Polymers are polycarbonate and polyester alloys that combine strength, durability and chemical resistance. The Edgetek XT product family includes a complete line of general purpose, UV stable and low -temperature impact grades for use in a wide range of demanding applications and severe operating environments plus customized formulations to meet specialized requirements.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Edgetek-XT-XT-100-BW01-Natural-PCPBT-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	54.5 MPa	7900 psi	Type I, 5.1 mm/min; ASTM D638
Elongation at Break	150 %	150 %	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	86.2 MPa	12500 psi	ASTM D790
Flexural Modulus	2.21 GPa	321 ksi	ASTM D790
Izod Impact, Notched	2.67 J/cm	5.00 ft-lb/in	Injection Molded; ASTM D256A
	@Thickness 3.18 mm, Temperature -20.0 °C	@Thickness 0.125 in, Temperature -4.00 °F	
	8.01 J/cm	15.0 ft-lb/in	Injection Molded; ASTM D256A
	@Thickness 3.18 mm, Temperature 23.0 °C	@Thickness 0.125 in, Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	105 °C	221 °F	Annealed; ASTM D648
	@Thickness 6.35 mm	@Thickness 0.250 in	
Flammability, UL94	HB	HB	UL 94

Processing Properties	Metric	English	Comments
Melt Temperature	260 - 277 °C	500 - 531 °F	
Mold Temperature	65.6 - 87.8 °C	150 - 190 °F	

Processing Properties	Metric	English	Comments
Drying Temperature	@Time 7200 sec	@Time 2.00 hour	

Descriptive Properties	Value	Comments
Features	Good Weather Resistance	
Forms	Pellets	
Generic Name	Polycarbonate + PBT (PC+PBT)	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
RoHS Compliance	RoHS Compliant	

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