

Edgetek™ XT XT-161950602

Polycarbonate + PBT

PolyOne Corporation

Message:

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.

General Information			
Features	Good Impact Resistance		
	Good UV Resistance		
	Good Weather Resistance		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.9	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1650	MPa	ASTM D638
Tensile Strength ¹ (Yield)	54.5	MPa	ASTM D638
Flexural Modulus ²	2120	MPa	ASTM D790
Flexural Strength ³	80.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
-30°C, 3.18 mm, Injection Molded	570	J/m	
23°C, 3.18 mm, Injection Molded	740	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	83.0	°C	ASTM D648
NOTE			
1.	Type I, 5.1 mm/min		
2.	13 mm/min		
3.	13 mm/min		

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Recommended distributors for this material

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