Edgetek™ XT 000/000 H-UV Natural 70

Polycarbonate + PBT

Key Characteristics

Product Description			
EDGETEK™ 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			
Material Status	• Commercial: Active		
Regional Availability	• Europe		
Features	• Good Heat Resistance • Good Processability • Good Stiffness	• Good Strength • Heat Stabilized • High Impact Resistance	• UV Stabilized
Uses	• Appliances • Automotive Applications	• Consumer Applications • General Purpose	• Industrial Applications
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.23 g/cm³	1.23 g/cm³	ISO 1183
Mechanical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Modulus	290000 psi	2000 MPa	ISO 527-2/1
Tensile Stress	7980 psi	55.0 MPa	ISO 527-2/50
Tensile Strain (Yield)	4.0 %	4.0 %	ISO 527-2/50
Impact	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Notched Izod Impact Strength	4.5 ft·lb/in²	9.5 kJ/m²	ISO 180/A
Flammability	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Flame Rating (0.06 in (1.6 mm))	HB	HB	UL 94

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	248 to 266 °F	120 to 130 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Rear Temperature	482 to 500 °F	250 to 260 °C
Middle Temperature	491 to 509 °F	255 to 265 °C
Front Temperature	500 to 518 °F	260 to 270 °C
Nozzle Temperature	509 to 527 °F	265 to 275 °C
Mold Temperature	140 to 176 °F	60 to 80 °C

Notes

[1] Typical values are not to be construed as specifications.