



Edgetek™ PC 20GF/000 Natural 70 Polycarbonate

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Europe		
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight		
Features	• Good Hardness • Good Processability	• Good Stiffness • Good Strength	• High Impact Resistance • Medium Flow
Uses	• Appliances • Automotive Applications	• Consumer Applications • Electrical/Electronic Applications	• General Purpose • Industrial Applications
RoHS Compliance	• RoHS Compliant		
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.32 g/cm ³	1.32 g/cm ³	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	870000 psi	6000 MPa	ISO 527-2/1
Tensile Stress	16000 psi	110 MPa	ISO 527-2/5
Tensile Strain (Yield)	3.5 %	3.5 %	ISO 527-2/5
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact Strength	4.8 ft-lb/in ²	10 kJ/m ²	ISO 180/A
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Glow Wire Flammability Index 0.08 in (2.0 mm)	1760 °F	960 °C	IEC 60695-2-12

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	248 °F	120 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Rear Temperature	527 to 545 °F	275 to 285 °C
Middle Temperature	536 to 554 °F	280 to 290 °C
Front Temperature	545 to 563 °F	285 to 295 °C
Nozzle Temperature	554 to 572 °F	290 to 300 °C
Mold Temperature	176 to 230 °F	80 to 110 °C

Notes

¹ Typical values are not to be construed as specifications.