



Edgetek™ PC-20GF/000 Ice Green

Polycarbonate

Key Characteristics

Product Description	
20% glass fiber reinforced polycarbonate compound	
General	
Material Status	• Commercial: Active
Regional Availability	• Asia Pacific
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight
Uses	• Household Goods • Printer Parts
RoHS Compliance	• RoHS Compliant
Appearance	• Green
Forms	• Pellets
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.34	1.34	ASTM D792
Molding Shrinkage - Flow	2.0E-3 to 5.0E-3 in/in	0.20 to 0.50 %	ASTM D955
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ²			ASTM D638
73°F (23°C), 0.126 in (3.20 mm)	13800 psi	95.0 MPa	
Flexural Modulus ³			ASTM D790
73°F (23°C), 0.126 in (3.20 mm)	870000 psi	6000 MPa	
Flexural Strength ³			ASTM D790
73°F (23°C), 0.126 in (3.20 mm)	20300 psi	140 MPa	
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact			ASTM D256
73°F (23°C), 0.126 in (3.20 mm)	1.3 ft-lb/in	70 J/m	
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.12 in (3.0 mm))	V-1	V-1	UL 94

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	248 to 266 °F	120 to 130 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Processing (Melt) Temp	536 to 572 °F	280 to 300 °C
Mold Temperature	194 to 230 °F	90.0 to 110 °C

Notes

¹ Typical values are not to be construed as specifications.

² 2.0 in/min (50 mm/min)

³ 0.051 in/min (1.3 mm/min)

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