



Edgetek™ PC-20GF/000 Electric Blue 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
Features	• Halogen Free
Uses	• Household Goods • Printer Parts
RoHS Compliance	• RoHS Compliant
Appearance	• Blue
Forms	• Pellets
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.36	1.36	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ²			ASTM D638
73°F (23°C), 0.126 in (3.20 mm)	15500 psi	107 MPa	
Tensile Elongation ² (Break)	4.0 %	4.0 %	ASTM D638
Flexural Modulus	914000 psi	6300 MPa	ASTM D790
Flexural Strength	26100 psi	180 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact			ASTM D256
73°F (23°C), 0.126 in (3.20 mm)	2.0 ft·lb/in	110 J/m	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
264 psi (1.8 MPa), Unannealed	280 °F	138 °C	
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	176 to 230 °F	80 to 110 °C

Notes

¹ Typical values are not to be construed as specifications.

² 0.20 in/min (5.0 mm/min)