



Edgetek™ PC-15CF-15GF/000

Polycarbonate

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass\Carbon Fiber		
Features	• Flame Retardant		
Forms	• Pellets		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.38	1.38	ASTM D792
Molding Shrinkage - Flow	1.0E-3 to 1.5E-3 in/in	0.10 to 0.15 %	ASTM D955
Water Absorption (24 hr)	0.15 %	0.15 %	ASTM D570
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus ²	1.80E+6 psi	12400 MPa	ASTM D638
Tensile Strength ² (Break)	20000 psi	138 MPa	ASTM D638
Tensile Elongation ² (Break)	3.0 %	3.0 %	ASTM D638
Flexural Modulus	1.80E+6 psi	12400 MPa	ASTM D790
Flexural Strength	25000 psi	172 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact 73°F (23°C), 0.250 in (6.35 mm), Injection Molded	2.5 ft·lb/in	130 J/m	ASTM D256A
Electrical	Typical Value (English)	Typical Value (SI)	Test Method
Surface Resistivity	1.0E+2 to 1.0E+5 ohms	1.0E+2 to 1.0E+5 ohms	ASTM D257
Volume Resistivity	1.0E+2 to 1.0E+5 ohms·cm	1.0E+2 to 1.0E+5 ohms·cm	ASTM D257

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	260 °F	127 °C
Drying Time	2.0 hr	2.0 hr
Processing (Melt) Temp	560 to 620 °F	293 to 327 °C
Mold Temperature	250 °F	121 °C

Notes

¹ Typical values are not to be construed as specifications.

² Type I, 0.20 in/min (5.1 mm/min)

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