



Edgetek™ PC 000/000 Grey 70

Polycarbonate

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Europe		
Features	• Good Stiffness	• Good Strength	• High Impact Resistance
Uses	• Consumer Applications	• General Purpose	• Electrical/Electronic Applications
Appearance	• Grey		
Forms	• Pellets		
Processing Method	• Injection Molding		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.19 g/cm ³	1.19 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	15 g/10 min	15 g/10 min	ISO 1133
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	348000 psi	2400 MPa	ISO 527-2/1
Tensile Stress	9430 psi	65.0 MPa	ISO 527-2/50
Tensile Strain (Yield)	6.0 %	6.0 %	ISO 527-2/50
Tensile Strain (Break)	> 70 %	> 70 %	ISO 527-2/50
Flexural Modulus	319000 psi	2200 MPa	ISO 178
Flexural Stress	14200 psi	98.0 MPa	ISO 178
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
Unnotched Izod Impact Strength	No Break	No Break	ISO 180/A
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Heat Deflection Temperature 66 psi (0.45 MPa), Unannealed	437 °F	225 °C	ISO 75-2/B
Heat Deflection Temperature 264 psi (1.8 MPa), Unannealed	262 °F	128 °C	ISO 75-2/A
Vicat Softening Temperature	302 °F	150 °C	ISO 306/A120

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	2.0 hr	2.0 hr
Rear Temperature	518 to 536 °F	270 to 280 °C
Middle Temperature	527 to 545 °F	275 to 285 °C
Front Temperature	536 to 554 °F	280 to 290 °C
Nozzle Temperature	545 to 563 °F	285 to 295 °C
Mold Temperature	176 °F	80 °C