Edgetek™ ET3200-5014 NHFR Grey VN8486CF

Polycarbonate

Key Characteristics

General		
Material Status	• Commercial: Active	
Regional Availability	• Europe	
Features	• Flame Retardant	• Good Dimensional Stability • Halogen Free
Uses	• Electrical/Electronic Applications • General Purpose	• Housings • Industrial Applications
Appearance	• Grey	
Forms	• Pellets	
Processing Method	• Injection Molding	

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.30 g/cm³	1.30 g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	8.0 to 12 g/10 min	8.0 to 12 g/10 min	ISO 1133
Mechanical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Modulus (73°F (23°C))	399000 psi	2750 MPa	ISO 527-2
Tensile Stress (Yield, 73°F (23°C))	8990 psi	62.0 MPa	ISO 527-2
Tensile Strain (Break, 73°F (23°C))	> 10 %	> 10 %	ISO 527-2
Impact	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Charpy Notched Impact Strength (73°F (23°C))	4.8 to 5.7 ft·lb/in²	10 to 12 kJ/m²	ISO 179
Charpy Unnotched Impact Strength			ISO 179
73°F (23°C)	43 ft·lb/in²	90 kJ/m²	
Flammability	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Flame Rating (0.06 in (1.6 mm))	V-0	V-0	UL 94

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	212 to 248 °F	100 to 120 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr

Notes

[1] Typical values are not to be construed as specifications.