

Edgetek™ ET7600-8035 RS NHFR NC001

Polyphenylene Ether + PS

Key Characteristics

Product Description	
Glass fiber reinforced PPO compound, non-halogen flame-retardant	
General	
Material Status	• Commercial: Active
Regional Availability	• Asia Pacific
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.22 g/cm ³	1.22 g/cm ³	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Stress ² (Yield)	7980 psi	55.0 MPa	ISO 527-2/50
Flexural Modulus ³	445000 psi	3070 MPa	ISO 178
Flexural Stress ³	13200 psi	91.0 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	2.9 ft·lb/in ²	6.1 kJ/m ²	ISO 179
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Heat Deflection Temperature 264 psi (1.8 MPa), Unannealed	235 °F	113 °C	ISO 75-2/A
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 230 °F	100 to 110 °C
Drying Time	2.0 to 3.0 hr	2.0 to 3.0 hr
Suggested Max Moisture	0.020 %	0.020 %
Processing (Melt) Temp	536 to 572 °F	280 to 300 °C
Mold Temperature	194 to 230 °F	90 to 110 °C

Notes

¹ Typical values are not to be construed as specifications.

² 50 mm/min

³ 0.079 in/min (2.0 mm/min)