



Edgetek™ ET7600-8022 NHFR RS ASTRAL GREY

Polyphenylene Ether + PS

Key Characteristics

Product Description	
30% glass fiber reinforced PPE compound	
General	
Material Status	• Commercial: Active
Regional Availability	• Asia Pacific
Appearance	• Grey
Forms	• Pellets
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.43	1.43	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/2.16 kg)	17 g/10 min	17 g/10 min	ASTM D1238
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength	14600 psi	101 MPa	ASTM D638
Flexural Modulus	1.31E+6 psi	9020 MPa	ASTM D790
Flexural Strength	21800 psi	150 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact 73°F (23°C), 0.126 in (3.20 mm)	0.94 ft-lb/in	50 J/m	ASTM D256
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed	212 °F	100 °C	ASTM D648
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	3.0 to 4.0 hr	3.0 to 4.0 hr
Suggested Max Moisture	0.020 %	0.020 %
Processing (Melt) Temp	518 to 572 °F	270 to 300 °C
Mold Temperature	158 to 194 °F	70 to 90 °C

Injection Notes
Injection Pressure: MED-HIGH
Hold Pressure: MED-HIGH
Screw Speed: MODERATE
Back Pressure: LOW

Notes

¹ Typical values are not to be construed as specifications.