



Edgetek™ ET9700-8011 RS NC

Polyphthalamide

Key Characteristics

Product Description	
Glass fiber reinforced PPA compound.	
General	
Material Status	• Commercial: Active
Regional Availability	• Asia Pacific
Filler / Reinforcement	• Glass Fiber, 55% Filler by Weight
Features	• Heat Stabilized
Appearance	• Natural Color
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.66	1.66	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength	34100 psi	235 MPa	ISO 527-2
Flexural Modulus	2.32E+6 psi	16000 MPa	ISO 178
Flexural Strength	52200 psi	360 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength	5.7 ft·lb/in ²	12 kJ/m ²	ISO 179

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 to 248 °F	80 to 120 °C
Drying Time	4.0 to 6.0 hr	4.0 to 6.0 hr
Rear Temperature	608 to 644 °F	320 to 340 °C
Middle Temperature	608 to 644 °F	320 to 340 °C
Front Temperature	608 to 644 °F	320 to 340 °C
Mold Temperature	248 to 275 °F	120 to 135 °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.