



Edgetek™ PP-20GF/XC701 WHITE

Polypropylene

Key Characteristics

Product Description

The Edgetek® Engineering Thermoplastic Compounds portfolio covers a broad range of standard and custom-formulated high performance materials. This portfolio includes high-temperature materials for elevated service temperature environments, high-modulus / structural materials for load-bearing and high-strength applications and flame-retardant products. These compounds are based on select engineering thermoplastic resins that are compounded with reinforcing additives such as carbon fiber, glass fiber and glass beads.

General

Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight		
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.04	1.04	ASTM D792
Molding Shrinkage - Flow	3.0E-3 to 5.0E-3 in/in	0.30 to 0.50 %	ASTM D955
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (Break)	7300 psi	50.3 MPa	ASTM D638
Tensile Elongation ² (Break)	4.0 %	4.0 %	ASTM D638
Flexural Modulus	400000 psi	2760 MPa	ASTM D790
Flexural Strength	9500 psi	65.5 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact			ASTM D256A
73°F (23°C), 0.250 in (6.35 mm), Injection Molded	0.80 ft·lb/in	43 J/m	

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	100 °F	37.8 °C
Drying Time	2.0 hr	2.0 hr
Rear Temperature	370 to 420 °F	188 to 216 °C
Middle Temperature	380 to 430 °F	193 to 221 °C
Front Temperature	390 to 440 °F	199 to 227 °C
Nozzle Temperature	400 to 450 °F	204 to 232 °C
Mold Temperature	80.0 to 170 °F	26.7 to 76.7 °C

Notes

¹ Typical values are not to be construed as specifications.

² Type I, 0.20 in/min (5.1 mm/min)

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