



Edgetek™ AS-20GF/000 NC001

Acrylonitrile Butadiene Styrene

Key Characteristics

Product Description	
Glass fiber reinforced ABS compound	
General	
Material Status	• Commercial: Active
Regional Availability	• Asia Pacific
Forms	• Pellets

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.18	1.18	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength	13100 psi	90.0 MPa	ASTM D638
Flexural Modulus	870000 psi	6000 MPa	ASTM D790
Flexural Strength	19600 psi	135 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact			ASTM D256
73°F (23°C), 0.125 in (3.18 mm)	1.5 ft-lb/in	80 J/m	
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.06 in (1.5 mm))	HB	HB	UL 94

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 to 212 °F	80 to 100 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Processing (Melt) Temp	428 to 464 °F	220 to 240 °C
Mold Temperature	140 to 194 °F	60 to 90 °C

Notes

¹ Typical values are not to be construed as specifications.