



Edgetek™ AS 000/000 FRV2 EP Blue 70

Acrylonitrile Butadiene Styrene

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Europe		
Features	• Flame Retardant • Good Processability	• Good Stiffness • Good Strength	• High Impact Resistance
Uses	• Appliances • Consumer Applications	• Electrical/Electronic Applications • General Purpose	• Industrial Applications
Appearance	• Blue		
Forms	• Pellets		
Processing Method	• Injection Molding		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.17 g/cm ³	1.17 g/cm ³	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	218000 psi	1500 MPa	ISO 527-2/1
Tensile Stress	4060 psi	28.0 MPa	ISO 527-2/50
Tensile Strain (Yield)	2.5 %	2.5 %	ISO 527-2/50
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact Strength	7.6 ft-lb/in ²	16 kJ/m ²	ISO 180/A
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.06 in (1.6 mm))	V-2	V-2	UL 94
Glow Wire Flammability Index 0.08 in (2.0 mm)	1760 °F	960 °C	IEC 60695-2-12

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 to 185 °F	80 to 85 °C
Drying Time	2.0 to 3.0 hr	2.0 to 3.0 hr
Rear Temperature	392 to 401 °F	200 to 205 °C
Middle Temperature	401 to 410 °F	205 to 210 °C
Front Temperature	410 to 419 °F	210 to 215 °C
Nozzle Temperature	419 to 428 °F	215 to 220 °C
Mold Temperature	149 to 185 °F	65 to 85 °C

Notes

¹ Typical values are not to be construed as specifications.