



Edgetek™ AS 000/000 UV FR V2 Grey RAL 7035

Acrylonitrile Butadiene Styrene

Key Characteristics

Product Description	
UV stabilized	
General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Features	• Flame Retardant • Good Strength • Good Stiffness • High Impact Resistance • UV Stabilized
Uses	• Automotive Applications • General Purpose • Consumer Applications • Industrial Applications
Appearance	• Grey
Forms	• Pellets
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.12 g/cm ³	1.12 g/cm ³	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	261000 psi	1800 MPa	ISO 527-2/1
Tensile Stress	5080 psi	35.0 MPa	ISO 527-2/50
Tensile Strain (Break)	> 25 %	> 25 %	ISO 527-2/50
Flexural Modulus	348000 psi	2400 MPa	ISO 178
Flexural Stress	7690 psi	53.0 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength	6.2 ft-lb/in ²	13 kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength ²	57 ft-lb/in ²	120 kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength	7.6 ft-lb/in ²	16 kJ/m ²	ISO 180/A
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Vicat Softening Temperature	223 °F	106 °C	ISO 306/A120
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)	1380 °F	750 °C	IEC 60695-2-12

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	2.0 hr	2.0 hr
Rear Temperature	392 to 410 °F	200 to 210 °C
Middle Temperature	401 to 419 °F	205 to 215 °C
Front Temperature	410 to 428 °F	210 to 220 °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.

² No Break
