



Edgetek™ AS 000/000 BLACK UV

Acrylonitrile Butadiene Styrene

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Europe		
Features	• Good Impact Resistance	• Good Stiffness	• Good Strength
Uses	• Consumer Applications	• General Purpose	• Industrial Applications
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Injection Molding		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.06 g/cm ³	1.06 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	30 g/10 min	30 g/10 min	ISO 1133
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	290000 psi	2000 MPa	ISO 527-2
Tensile Stress	7250 psi	50.0 MPa	ISO 527-2
Tensile Strain (Break)	5.0 to 7.0 %	5.0 to 7.0 %	ISO 527-2
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	10 ft·lb/in ²	22 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength 73°F (23°C)	41 ft·lb/in ²	87 kJ/m ²	ISO 179

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.