



Edgetek™ AS-000/000 AS colored UV Methyl Methacrylate / ABS

Key Characteristics

Product Description	
UV stabilized	
General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Additive	• Antistatic • UV Stabilizer
Features	• Good UV Resistance
Appearance	• Unspecified Color
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density (73°F (23°C))	1.10 g/cm ³	1.10 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	20 g/10 min	20 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	1.10 in ³ /10min	18.0 cm ³ /10min	ISO 1133
Molding Shrinkage ² (0.157 in (4.00 mm))	0.40 to 0.70 %	0.40 to 0.70 %	ISO 294-4
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus			ISO 527-2/1
73°F (23°C), 0.157 in (4.00 mm), Injection Molded	232000 to 290000 psi	1600 to 2000 MPa	
Tensile Stress			ISO 527-2/50
Yield, 73°F (23°C), 0.157 in (4.00 mm), Injection Molded	5800 to 6530 psi	40.0 to 45.0 MPa	
Tensile Strain			ISO 527-2/50
Yield, 73°F (23°C), 0.157 in (4.00 mm)	> 3.0 %	> 3.0 %	
Tensile Strain			ISO 527-2/50
Break, 73°F (23°C), 0.157 in (4.00 mm)	> 10 %	> 10 %	
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	6.7 to 9.5 ft-lb/in ²	14 to 20 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength			ISO 179
73°F (23°C)	> 38 ft-lb/in ²	> 80 kJ/m ²	
Electrical	Typical Value (English)	Typical Value (SI)	Test Method
Surface Resistivity	1.0E+10 to 1.0E+12 ohms	1.0E+10 to 1.0E+12 ohms	ASTM D257
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.0630 in (1.60 mm))	HB	HB	UL 94

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	446 to 500 °F	230 to 260 °C
Mold Temperature	122 to 176 °F	50.0 to 80.0 °C

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Notes

¹ Typical values are not to be construed as specifications.

² Bergmann method

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