



Edgetek™ ATC-30MN/000 Black UV FD

Acetal (POM) Copolymer

Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Filler / Reinforcement	• Mineral, 30% Filler by Weight
Features	• UV Stabilized
Appearance	• Black
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density ²	1.62 g/cm ³	1.62 g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	4.00 to 6.00 cm ³ /10min	4.00 to 6.00 cm ³ /10min	ISO 1133
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	486000 psi	3350 MPa	ISO 527-2
Tensile Stress (Yield)	4450 psi	30.7 MPa	ISO 527-2
Tensile Stress (Break)	1160 psi	8.00 MPa	ISO 527-2
Flexural Modulus	421000 psi	2900 MPa	ISO 178
Flexural Strength	8700 psi	60.0 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	1.4 ft·lb/in ²	3.0 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength 73°F (23°C)	21 ft·lb/in ²	45 kJ/m ²	ISO 179
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Heat Deflection Temperature 66 psi (0.45 MPa), Unannealed	300 °F	149 °C	ISO 75-2/B
Heat Deflection Temperature 264 psi (1.8 MPa), Unannealed	199 °F	93.0 °C	ISO 75-2/A
Vicat Softening Temperature	320 °F	160 °C	ISO 306
Melting Temperature (DSC)	329 to 338 °F	165 to 170 °C	ISO 3146
Electrical	Typical Value (English)	Typical Value (SI)	Test Method
Comparative Tracking Index	600 V	600 V	IEC 60112
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.13 in (3.2 mm))	HB	HB	UL 94
Glow Wire Flammability Index 0.13 in (3.2 mm)	1020 °F	550 °C	IEC 60695-2-12
FMVSS Flammability	< 3.9 in/min	< 100 mm/min	DIN 75200

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 to 212 °F	80 to 100 °C
Drying Time	4.0 hr	4.0 hr
Processing (Melt) Temp	374 to 410 °F	190 to 210 °C

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Injection	Typical Value (English)	Typical Value (SI)
Mold Temperature	167 to 212 °F	75 to 100 °C

Notes

¹ Typical values are not to be construed as specifications.

² +/-0.02

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