



## Edgetek™ ATC-10GF/000 Black UV

### Acetal (POM) Copolymer

#### Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight
Appearance	• Black
Processing Method	• Injection Molding

#### Technical Properties <sup>1</sup>

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.45 g/cm <sup>3</sup>	1.45 g/cm <sup>3</sup>	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	0.305 in <sup>3</sup> /10min	5.00 cm <sup>3</sup> /10min	ISO 1133
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	562000 psi	3880 MPa	ISO 527-2
Tensile Strength	7980 psi	55.0 MPa	ISO 527-2
Tensile Stress (Break)	1310 psi	9.00 MPa	ISO 527-2
Flexural Modulus	471000 psi	3250 MPa	ISO 178
Flexural Strength	11600 psi	80.0 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	1.9 ft·lb/in <sup>2</sup>	4.0 kJ/m <sup>2</sup>	ISO 179
Charpy Unnotched Impact Strength 73°F (23°C)	32 ft·lb/in <sup>2</sup>	68 kJ/m <sup>2</sup>	ISO 179

#### Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 to 194 °F	80.0 to 90.0 °C
Drying Time	2.0 to 3.0 hr	2.0 to 3.0 hr
Rear Temperature	374 to 392 °F	190 to 200 °C
Middle Temperature	374 to 392 °F	190 to 200 °C
Front Temperature	374 to 392 °F	190 to 200 °C
Mold Temperature	167 to 185 °F	75.0 to 85.0 °C

Injection Notes
Injection Pressure: MED-HIGH
Hold Pressure: MED-HIGH
Screw Speed: MODERATE
Back Pressure: LOW

#### Notes

<sup>1</sup> Typical values are not to be construed as specifications.

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