

Edgetek[™] AT-000/000 BK022 Acetal (POM) Homopolymer

Key Characteristics

Product Description	
Lubricated	
General	
Material Status	Commercial: Active
Regional Availability	Asia Pacific
Features	Lubricated
Appearance	Black
Processing Method	Injection Molding

Technical Properties¹

hysical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.40	1.40	ASTM D792
Molding Shrinkage - Flow	0.017 to 0.021 in/in	1.7 to 2.1 %	ASTM D955
echanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ²	9280 psi	64.0 MPa	ASTM D638
Flexural Modulus ³	392000 psi	2700 MPa	ASTM D790
Flexural Strength ³	12300 psi	85.0 MPa	ASTM D790
npact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact			ASTM D256
73°F (23°C), 0.126 in (3.20 mm)	2.8 ft·lb/in	150 J/m	
hermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
264 psi (1.8 MPa), Unannealed, 0.126 in (3.20 mm)	221 °F	105 °C	
lectrical	Typical Value (English)	Typical Value (SI)	Test Method
Surface Resistivity	1.0E+15 ohms	1.0E+15 ohms	ASTM D257
lammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.06 in (1.6 mm))	HB	HB	UL 94

Processing Information

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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

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Notes

¹ Typical values are not to be construed as specifications.

² 2.0 in/min (50 mm/min)

³ 0.051 in/min (1.3 mm/min)

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