



Edgetek™ ATC-15GF/000 BLACK UV

Acetal (POM) Copolymer

Key Characteristics

General		
Material Status	• Commercial: Active	
Regional Availability	• Africa & Middle East	• Europe
Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight	
Features	• UV Stabilized	
Uses	• Automotive Applications • Consumer Applications	• Electrical/Electronic Applications • Industrial Applications
Appearance	• Black	
Processing Method	• Injection Molding	

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density ²	1.49 g/cm ³	1.49 g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	4.00 cm ³ /10min	4.00 cm ³ /10min	ISO 1133
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	841000 psi	5800 MPa	ISO 527-2
Tensile Strain (Break)	10 %	10 %	ISO 527-2
Flexural Modulus	653000 psi	4500 MPa	ISO 178
Flexural Stress	11600 psi	80.0 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength	1.4 ft·lb/in ²	3.0 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	24 ft·lb/in ²	50 kJ/m ²	ISO 179
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Heat Deflection Temperature 66 psi (0.45 MPa), Unannealed	302 °F	150 °C	ISO 75-2/B
Heat Deflection Temperature 264 psi (1.8 MPa), Unannealed	302 °F	150 °C	
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.06 in (1.6 mm))	HB	HB	UL 94
Flammability	< 4 in/min	< 100 mm/min	FMVSS

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
Mold Temperature	167 to 212 °F	75 to 100 °C

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

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Notes¹ Typical values are not to be construed as specifications.² +/-0.02g/cm3**CONTACT INFORMATION****Americas**United States - Avon Lake
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