



Edgetek™ AT-000/000 HI 10 Natural

Acetal (POM) Copolymer

Key Characteristics

Product Description

The Edgetek® Engineering Thermoplastic Compounds portfolio covers a broad range of standard and custom-formulated high performance materials. This portfolio includes high-temperature materials for elevated service temperature environments, high-modulus / structural materials for load-bearing and high-strength applications and flame-retardant products. These compounds are based on select engineering thermoplastic resins that are compounded with reinforcing additives such as carbon fiber, glass fiber and glass beads.

General

Material Status	• Commercial: Active
Regional Availability	• North America
Features	• Copolymer • Impact Modified
Uses	• Automotive Applications • Consumer Applications • Industrial Applications
Forms	• Pellets
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.38	1.38	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus ²	300000 psi	2070 MPa	ASTM D638
Tensile Strength ² (Yield)	7000 psi	48.3 MPa	ASTM D638
Tensile Elongation ³ (Break)	38 %	38 %	ASTM D638
Flexural Modulus	238000 psi	1640 MPa	ASTM D790
Flexural Strength	8540 psi	58.9 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact 73°F (23°C), 0.125 in (3.18 mm), Injection Molded	1.8 ft·lb/in	96 J/m	ASTM D256A

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	370 to 410 °F	188 to 210 °C

Notes

¹ Typical values are not to be construed as specifications.

² Type I, 2.0 in/min (51 mm/min)

³ Type I, 0.20 in/min (5.1 mm/min)

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