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			ASTM D256A
73°F (23°C), 0.125 in (3.18 mm), Injection Molded	1.8 ft·lb/in	96 J/m	

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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Beyond Polymers.

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