



Edgetek™ ATC-000/000 812 Natural UV

Acetal (POM) Copolymer

Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Uses	• Automotive Applications • Consumer Applications • Electrical/Electronic Applications • Industrial Applications
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density ² (73°F (23°C))	1.40 g/cm ³	1.40 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	8.0 to 12 g/10 min	8.0 to 12 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	6.00 to 8.00 cm ³ /10min	6.00 to 8.00 cm ³ /10min	ISO 1133
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus (73°F (23°C))	334000 psi	2300 MPa	ISO 527-2
Tensile Stress (Yield, 73°F (23°C))	8700 psi	60.0 MPa	ISO 527-2
Tensile Strain (Break)	> 40 %	> 40 %	ISO 527-2
Flexural Modulus (73°F (23°C))	297000 psi	2050 MPa	ISO 178
Flexural Strength (73°F (23°C))	15700 psi	108 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	2.9 ft·lb/in ²	6.0 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength 73°F (23°C)	No Break	No Break	ISO 179
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Heat Deflection Temperature 264 psi (1.8 MPa), Unannealed	176 °F	80.0 °C	ISO 75-2/A
Vicat Softening Temperature	320 °F	160 °C	ISO 306
Melting Temperature (DSC)	329 to 338 °F	165 to 170 °C	ISO 3146

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

Notes

¹ Typical values are not to be construed as specifications.

² +/-0.02