



Edgetek™ ATC-000/000 IM5 BLACK UV

Acetal (POM) Copolymer

Key Characteristics

General		
Material Status	• Commercial: Active	
Regional Availability	• Europe	
Features	• Impact Modified	• UV Stabilized
Appearance	• Black	
Processing Method	• Injection Molding	

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density ²	1.38 g/cm ³	1.38 g/cm ³	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	278000 psi	1920 MPa	ISO 527-2
Tensile Stress (Yield)	6960 psi	48.0 MPa	ISO 527-2
Tensile Strain (Break)	40 %	40 %	ISO 527-2
Flexural Modulus	236000 psi	1630 MPa	ISO 178
Flexural Strength	9430 psi	65.0 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	4.8 ft·lb/in ²	10 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength 73°F (23°C)	No Break	No Break	ISO 179

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 to 194 °F	80 to 90 °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 to 85 °C

Notes

¹ Typical values are not to be construed as specifications.

² +/-0,02