



Edgetek™ ET6000-5014 LD Natural 70

Polyamide 6

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Europe		
Features	• Good Heat Resistance • Good Stiffness	• Good Strength • Heat Stabilized	• Low Density
Uses	• Appliance Components • Automotive Applications	• Consumer Applications • General Purpose	• Industrial Applications
RoHS Compliance	• RoHS Compliant		
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	0.920 g/cm ³	0.920 g/cm ³	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus ²	435000 psi	3000 MPa	ISO 527
Tensile Stress	7250 psi	50.0 MPa	ISO 527-2/5
Tensile Strain (Break)	1.5 %	1.5 %	ISO 527-2/5
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Unnotched Impact Strength	9.5 ft·lb/in ²	20 kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength 73°F (23°C), Injection Molded	1.4 ft·lb/in ²	3.0 kJ/m ²	ISO 180/A
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Heat Deflection Temperature 264 psi (1.8 MPa), Unannealed	185 °F	85.0 °C	ISO 75-2/A

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	2.0 hr	2.0 hr
Rear Temperature	455 to 473 °F	235 to 245 °C
Middle Temperature	464 to 482 °F	240 to 250 °C
Front Temperature	473 to 491 °F	245 to 255 °C
Nozzle Temperature	482 to 500 °F	250 to 260 °C
Mold Temperature	140 to 176 °F	60 to 80 °C

Notes

¹ Typical values are not to be construed as specifications.

² 0.039 in/min (1.0 mm/min)