



Edgetek™ ET6000-5019 LD Black 70

Polyamide 6 + PP

Key Characteristics

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

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.08 g/cm ³	1.08 g/cm ³	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus ²	979000 psi	6750 MPa	ISO 527
Tensile Stress	13100 psi	90.0 MPa	ISO 527-2/5
Tensile Strain (Break)	2.5 %	2.5 %	ISO 527-2/5
Flexural Modulus ²	870000 psi	6000 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Unnotched Impact Strength	19 ft·lb/in ²	40 kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength	3.8 ft·lb/in ²	8.0 kJ/m ²	ISO 180/A
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Heat Deflection Temperature 264 psi (1.8 MPa), Unannealed	376 °F	191 °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	419 to 437 °F	215 to 225 °C
Middle Temperature	428 to 446 °F	220 to 230 °C
Front Temperature	437 to 455 °F	225 to 235 °C
Nozzle Temperature	446 to 464 °F	230 to 240 °C
Mold Temperature	176 °F	80 °C

Notes

¹ Typical values are not to be construed as specifications.

² 0.039 in/min (1.0 mm/min)