



# Edgetek™ ET6000-5019 LD Black 70

## Polyamide 6 + PP

### Key Characteristics

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

### Technical Properties <sup>1</sup>

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.08 g/cm <sup>3</sup>	1.08 g/cm <sup>3</sup>	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus <sup>2</sup>	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 <sup>2</sup>	870000 psi	6000 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Unnotched Impact Strength	19 ft·lb/in <sup>2</sup>	40 kJ/m <sup>2</sup>	ISO 179/1eU
Notched Izod Impact Strength	3.8 ft·lb/in <sup>2</sup>	8.0 kJ/m <sup>2</sup>	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

<sup>1</sup> Typical values are not to be construed as specifications.

<sup>2</sup> 0.039 in/min (1.0 mm/min)

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