



Edgetek™ ET5200-5021 LD Natural 70

Polypropylene

Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Features	• Good Heat Resistance • Good Strength • Good Stiffness • Heat Stabilized • Low Density • Medium Flow
Uses	• Appliance Components • Consumer Applications • Automotive 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	0.750 g/cm ³	0.750 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0 g/10 min	6.0 g/10 min	ISO 1133
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus ²	290000 psi	2000 MPa	ISO 527
Tensile Stress	2900 psi	20.0 MPa	ISO 527-2/5
Tensile Strain (Yield)	2.5 %	2.5 %	ISO 527-2/5
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Unnotched Impact Strength	7.1 ft·lb/in ²	15 kJ/m ²	ISO 179
Notched Izod Impact Strength	0.95 ft·lb/in ²	2.0 kJ/m ²	ISO 180/A
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Heat Deflection Temperature			ISO 75-2/A
264 psi (1.8 MPa), Unannealed	158 °F	70.0 °C	
Melting Temperature	320 to 329 °F	160 to 165 °C	
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.06 in (1.6 mm))	HB	HB	UL 94

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	1.0 hr	1.0 hr
Rear Temperature	347 to 365 °F	175 to 185 °C
Middle Temperature	356 to 374 °F	180 to 190 °C
Front Temperature	365 to 383 °F	185 to 195 °C
Nozzle Temperature	383 to 392 °F	195 to 200 °C
Mold Temperature	77 to 131 °F	25 to 55 °C

Notes

¹ Typical values are not to be construed as specifications.

² 0.039 in/min (1.0 mm/min)