



Edgetek™ ET5200-5022 LD Natural 70

Polypropylene Homopolymer

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	0.950 g/cm ³	0.950 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0 g/10 min	4.0 g/10 min	ISO 1133
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus ²	653000 psi	4500 MPa	ISO 527
Tensile Stress	8700 psi	60.0 MPa	ISO 527-2/5
Tensile Strain (Yield)	3.0 %	3.0 %	ISO 527-2/5
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Unnotched Impact Strength	17 ft·lb/in ²	35 kJ/m ²	ISO 179
Notched Izod Impact Strength	3.3 ft·lb/in ²	7.0 kJ/m ²	ISO 180/A
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Heat Deflection Temperature 264 psi (1.8 MPa), Unannealed	284 °F	140 °C	ISO 75-2/A

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)