



Gravi-Tech™ GT5200-5021

Polypropylene

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Europe		
Additive	• Heat Stabilizer		
Features	• Low Density		
Uses	• Appliance Components • Automotive Applications	• Consumer Applications • General Purpose	• Industrial Applications
RoHS Compliance	• RoHS Compliant		
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
Molding Shrinkage (73°F (23°C))	0.80 to 1.0 %	0.80 to 1.0 %	Internal Method
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus ²	290000 psi	2000 MPa	ISO 527
Tensile Stress (Break)	2610 psi	18.0 MPa	ISO 527-2/5
Tensile Strain (Break)	2.5 %	2.5 %	ISO 527-2/5
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact Strength 73°F (23°C), Injection Molded	0.95 ft·lb/in ²	2.0 kJ/m ²	ISO 180/A
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)
Processing (Melt) Temp	356 to 392 °F	180 to 200 °C

Notes

¹ Typical values are not to be construed as specifications.

² 0.039 in/min (1.0 mm/min)