Maxxam™ CL1 GF/20 BLACK T 70

Polypropylene Copolymer

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Europe		
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight		
Features	• Chemically Coupled • Good Heat Resistance	• Good Processability • Good Stiffness	• Good Strength • Low Flow
Uses	• Appliances • Automotive Applications	• Consumer Applications • General Purpose	• Industrial Applications
Appearance	• Black		
Processing Method	• Extrusion	• Injection Molding	

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density [2]	1.02 g/cm³	1.02 g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	< 1.0 g/10 min	< 1.0 g/10 min	ISO 1133
Mechanical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Modulus	551000 psi	3800 MPa	ISO 527-2/1
Tensile Stress	7250 psi	50.0 MPa	ISO 527-2/5
Tensile Strain (Break)	5.0 %	5.0 %	ISO 527-2/5
Impact	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Notched Izod Impact Strength	10 ft·lb/in²	22 kJ/m²	ISO 180
Thermal	**Typical Value (English)**	**Typical Value (SI)**	
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 to 2.0 hr	1.0 to 2.0 hr
Rear Temperature	356 to 374 °F	180 to 190 °C
Middle Temperature	365 to 383 °F	185 to 195 °C
Front Temperature	374 to 392 °F	190 to 200 °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] ±0.02