



Maxxam™ MX 5400-0001 70GF UV Natural

High Density Polyethylene

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Europe		
Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight		
Features	• Chemically Coupled • Good Heat Resistance • Good Processability	• Good Stiffness • Good Strength • Heat Stabilized	• High Impact Resistance • UV Stabilized
Uses	• Appliances • Automotive Applications	• Consumer Applications • Electrical/Electronic Applications	• General Purpose • Industrial Applications
Appearance	• Natural Color		
Processing Method	• Extrusion	• Injection Molding	

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.00 g/cm ³	1.00 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	< 1.0 g/10 min	< 1.0 g/10 min	ISO 1133
Molding Shrinkage	0.90 to 1.5 %	0.90 to 1.5 %	Internal Method
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	254000 psi	1750 MPa	ISO 527-2/1
Tensile Stress	3630 psi	25.0 MPa	ISO 527-2/50
Tensile Strain (Yield)	3.0 %	3.0 %	ISO 527-2/50
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact Strength	4.8 ft·lb/in ²	10 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)
Drying Temperature	176 °F	80 °C
Drying Time	2.0 hr	2.0 hr
Rear Temperature	374 to 392 °F	190 to 200 °C
Middle Temperature	383 to 401 °F	195 to 205 °C
Front Temperature	392 to 410 °F	200 to 210 °C
Nozzle Temperature	401 to 419 °F	205 to 215 °C
Mold Temperature	77 to 131 °F	25 to 55 °C

Notes

¹ Typical values are not to be construed as specifications.