Maxxam™ PP 301 EXT GREY RAL 7035 70

Polypropylene Copolymer

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Europe		
Features	• Flame Retardant • Good Heat Resistance • Good Processability	• Good Stiffness • Good Strength • Heat Stabilized	• High Impact Resistance • Low Flow
Uses	• Appliances • Consumer Applications	• Electrical/Electronic Applications • General Purpose	• Industrial Applications
RoHS Compliance	• RoHS Compliant		
Appearance	• Grey		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.01 g/cm³	1.01 g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)	< 1.5 g/10 min	< 1.5 g/10 min	ISO 1133
Mechanical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Modulus	145000 psi	1000 MPa	ISO 527-2/1
Tensile Stress	2900 psi	20.0 MPa	ISO 527-2/50
Tensile Strain (Yield)	> 10 %	> 10 %	ISO 527-2/50
Impact	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Notched Izod Impact Strength	21 ft·lb/in²	45 kJ/m²	ISO 180/A
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 (0.13 in (3.2 mm))	V-0	V-0	UL 94
Glow Wire Flammability Index			IEC 60695-2-12
0.08 in (2.0 mm)	1760 °F	960 °C	

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.