



Maxxam™ FR H2 H V0 Black T 70

Polypropylene Homopolymer

Key Characteristics

Product Description

Maxxam™ FR flame-retardant polyolefin compounds and masterbatches meet stringent flammability performance requirements defined by industry agencies, including Underwriters Laboratories UL 94 V-0, performance ratings.

General

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

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.04 g/cm ³	1.04 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0 g/10 min	2.0 g/10 min	ISO 1133
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	232000 psi	1600 MPa	ISO 527-2/1
Tensile Stress	4350 psi	30.0 MPa	ISO 527-2/50
Tensile Strain (Yield)	6.5 %	6.5 %	ISO 527-2/50
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact Strength	2.1 ft-lb/in ²	4.5 kJ/m ²	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 (0.06 in (1.6 mm))	V-0	V-0	UL 94
Glow Wire Flammability Index 0.08 in (2.0 mm)	1760 °F	960 °C	IEC 60695-2-12

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	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

Notes

¹ Typical values are not to be construed as specifications.