

Maxxam™ PP FR 7380-8001-ISO

Polypropylene
PolyOne Corporation

Message:
Polypropylene, flame retardant and low blooming

General Information			
Features	Flame retardancy		
Appearance	Black		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm ³	ASTM D792
Molding Shrinkage - Flow (23°C, 48 hours, 3.00mm)	1.4 - 1.9	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 23°C, 4.00 mm, Injection Molded)	23.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C, 4.00 mm, Injection Molded)	220	%	ISO 527-2/50
Flexural Modulus ¹ (23°C, 4.00 mm, Injection Molded)	1150	MPa	ISO 178
Flexural Stress ² (23°C, 4.00 mm, Injection Molded)	28.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C, Injection Molded)	13	kJ/m ²	ISO 179/eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed, 4.00 mm)	95.0	°C	ISO 75-2/Bf
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	V-0		Internal method
Glow Wire Flammability Index	875	°C	IEC 60695-2-12
Glow Wire Ignition Temperature	875	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 85.0	°C	
Drying Time	4.0 - 6.0	hr	
Processing (Melt) Temp	200 - 240	°C	
Mold Temperature	30.0 - 60.0	°C	
Injection instructions			
Injection Pressure: MED-HIGHHold Pressure: MED-HIGHScrew Speed: MODERATEBack Pressure: LOW			

NOTE

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| 1. | 2.0 mm/min |
| 2. | 2.0 mm/min |

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