

Maxxam™ NM-719.S001-8042

Polypropylene

PolyOne Corporation

Message:

20% glass fiber reinforced polypropylene with heat stability and UV stability

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Features	Good UV resistance		
	Heat resistance, high		
Appearance	Black		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Molding Shrinkage	0.70 - 1.2	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Fracture	4.00	MPa	ASTM D638
--	62.0	MPa	ASTM D638
Flexural Modulus ²	3300	MPa	ASTM D790
Flexural Strength ³	90.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	140	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	135	°C	ASTM D648
1.8 MPa, unannealed, 3.20mm	120	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+12	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.20 mm)	HB		Internal method
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			

1.	5.0 mm/min
2.	1.3 mm/min
3.	1.3 mm/min

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Recommended distributors for this material

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