

## PolyOne Maxxam™ DC-818.G001-8000 Polypropylene, Unspecified (PP, Unspecified)

Category : Polymer , Thermoplastic , Polypropylene (PP)

### Material Notes:

PolyOne's Maxxam™ family of polypropylene- and polyethylene-based products covers a wide range of applications, markets and performance requirements. Standard grades are compounded with calcium carbonate, glass and talc to provide a desired balance of properties including stiffness, durability, impact resistance and heat resistance. Custom grades are available with features such as UV stabilizers, heat stabilizers, custom color, high impact, etc. Information provided by PolyOne

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Maxxam-DC-818G001-8000-Polypropylene-Unspecified-PP-Unspecified.php](http://www.lookpolymers.com/polymer_PolyOne-Maxxam-DC-818G001-8000-Polypropylene-Unspecified-PP-Unspecified.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.12 g/cc	1.12 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0020 - 0.0060 cm/cm	0.0020 - 0.0060 in/in	ASTM D955
Melt Flow	4.5 g/10 min @Load 2.16 kg, Temperature 200 °C	4.5 g/10 min @Load 4.76 lb, Temperature 392 °F	Procedure A; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	68.9 MPa	9990 psi	Type I, 51 mm/min; ASTM D638
Elongation at Break	5.0 %	5.0 %	Type I, 51 mm/min; ASTM D638
Flexural Strength	103 MPa	14900 psi	ASTM D790
Flexural Modulus	4.41 GPa	640 ksi	ASTM D790
Izod Impact, Notched	0.750 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	1.41 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Injection Molded; ASTM D256A

Thermal Properties	Metric	English	Comments
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	BK; UL 94

Processing Properties	Metric	English	Comments
Mold Temperature	16.0 - 50.0 °C	60.8 - 122 °F	

Descriptive Properties	Value	Comments
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<b>Appearance Descriptive Properties</b>	<b>Black Value</b>	<b>Comments</b>
<b>Features</b>	<b>General Purpose</b>	
<b>Filler / Reinforcement</b>	<b>GlassMineral</b>	
	<b>Unspecified FillerReinfor., 30% Filler by Weight</b>	
<b>Forms</b>	<b>Pellets</b>	
<b>Generic Material</b>	<b>PP, Unspecified</b>	
<b>Generic Name</b>	<b>Polypropylene, Unspecified (PP, Unspecified)</b>	
<b>Processing Method</b>	<b>Injection Molding</b>	
<b>Regional Availability</b>	<b>Africa &amp; Middle East</b>	
	<b>Asia Pacific</b>	
	<b>Europe</b>	
	<b>North America</b>	
	<b>South America</b>	
<b>Uses</b>	<b>Construction Applications</b>	
	<b>Consumer Applications</b>	
	<b>General Purpose</b>	
	<b>Industrial Applications</b>	

## Contact Songhan Plastic Technology Co.,Ltd.

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