

## PolyOne Maxxam™ JN-818.S001-1000 Polypropylene Homopolymer (PP Homopolymer)

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-JN-818S001-1000-Polypropylene-Homopolymer-PP-Homopolymer.php](http://www.lookpolymers.com/polymer_PolyOne-Maxxam-JN-818S001-1000-Polypropylene-Homopolymer-PP-Homopolymer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.968 g/cc	0.968 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0090 - 0.013 cm/cm	0.0090 - 0.013 in/in	ASTM D955
Melt Flow	2.0 - 4.0 g/10 min	2.0 - 4.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	34.5 MPa	5000 psi	Type I, 51 mm/min; ASTM D638
Elongation at Break	50 %	50 %	Type I, 51 mm/min; ASTM D638
Flexural Strength	50.0 MPa	7250 psi	ASTM D790
Flexural Modulus	2.07 GPa	300 ksi	ASTM D790
Izod Impact, Notched	0.320 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	0.599 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Injection Molded; ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	120 °C @Thickness 3.18 mm	248 °F @Thickness 0.125 in	Annealed; ASTM D648
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	ALL; UL 94

Descriptive Properties	Value	Comments
Additive	UV Stabilizer	
Appearance	Natural Color	

Descriptive Properties	Value	Purpose	Comments
	Good UV Resistance		
	Homopolymer		
Filler / Reinforcement	Talc Filler, 10% Filler by Weight		
Forms	Pellets		
Generic Material	PP Homopolymer		
Generic Name	Polypropylene Homopolymer (PP Homopolymer)		
Processing Method	Injection Molding		
Regional Availability	Africa & Middle East		
	Asia Pacific		
	Europe		
	North America		
	South America		
Uses	Automotive Applications		
	Construction Applications		
	Consumer Applications		
	General Purpose		
	Industrial Applications		

## Contact Songhan Plastic Technology Co.,Ltd.

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