

## PolyOne Maxxam™ FR MF5210-0301 DK GRAY 2451 Polypropylene, Unspecified (PP, Unspecified)

Category : Polymer , Thermoplastic , Polypropylene (PP)

### Material Notes:

Information provided by PolyOne

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Maxxam-FR-MF5210-0301-DK-GRAY-2451-Polypropylene-Unspecified-PP-Unspecified.php](http://www.lookpolymers.com/polymer_PolyOne-Maxxam-FR-MF5210-0301-DK-GRAY-2451-Polypropylene-Unspecified-PP-Unspecified.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.01 g/cc	1.01 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.010 - 0.020 cm/cm	0.010 - 0.020 in/in	ASTM D955
Melt Flow	4.0 g/10 min @Load 2.16 kg, Temperature 230 °C	4.0 g/10 min @Load 4.76 lb, Temperature 446 °F	Procedure A; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.1 MPa	3500 psi	Type I, 51 mm/min; ASTM D638
Elongation at Break	200 %	200 %	Type I, 51 mm/min; ASTM D638
Flexural Strength	26.2 MPa	3800 psi	ASTM D790
Flexural Modulus	0.827 GPa	120 ksi	ASTM D790
Izod Impact, Notched	0.690 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	1.29 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Injection Molded; ASTM D256A

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-0	V-0	UL 94
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	V-0	V-0	UL 94
	@Thickness 3.00 mm	@Thickness 0.118 in	

Descriptive Properties	Value	Comments
Features	Flame Retardant	
	Medium Impact Resistance	

Forms Descriptive Properties	Pellets Value	Comments
Generic Material	PP, Unspecified	
Generic Name	Polypropylene, Unspecified (PP, Unspecified)	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	

## Contact Songhan Plastic Technology Co.,Ltd.

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