

## S&E Specialty Polymers TufGuard M™ GPP1001M-P-2986 Grey PP, Flame Retardant

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Flame Retardant

**Material Notes:**

Application: High impact resistant, non-blooming flame retardant polypropylene compound designed for UL94 V-0 injection molding applications. Information provided by S&E Specialty Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SE-Specialty-Polymers-TufGuard-M-GPP1001M-P-2986-Grey-PP-Flame-Retardant.php](http://www.lookpolymers.com/polymer_SE-Specialty-Polymers-TufGuard-M-GPP1001M-P-2986-Grey-PP-Flame-Retardant.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.980 - 1.02 g/cc	0.980 - 1.02 g/cc	ASTM D792
Melt Flow	15.0 - 21.0 g/10 min	15.0 - 21.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	>= 10.3 MPa	>= 1500 psi	ASTM D2863
Tensile Strength, Yield	>= 25.5 MPa	>= 3700 psi	ASTM D638
Elongation at Break	>= 50.0 %	>= 50.0 %	Ultimate; ASTM D638
Flexural Modulus	1.38 GPa	200 ksi	ASTM D790
Izod Impact, Notched	>= 0.641 J/cm	>= 1.20 ft-lb/in	ASTM D256
Dart Drop Total Energy	>= 6.41 J/cm	>= 0.0120 ft-lb/mil	ASTM D5420

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	186.7 °C	368.1 °F	ASTM D648
Flammability, UL94	V-0	V-0	
	@Thickness 3.17 mm	@Thickness 0.125 in	
Oxygen Index	>= 28.0 %	>= 28.0 %	ASTM D2863

### Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China