

## S&E Specialty Polymers TufGuard M™ GPP1005M-EXLT PP, Flame Retardant

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

**Material Notes:**

Application: UL94 V-2, Non-blooming flame retardant polypropylene compound for injection molding. Information provided by S&E Specialty Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SE-Specialty-Polymers-TufGuard-M-GPP1005M-EXLT-PP-Flame-Retardant.php](http://www.lookpolymers.com/polymer_SE-Specialty-Polymers-TufGuard-M-GPP1005M-EXLT-PP-Flame-Retardant.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.940 - 0.960 g/cc	0.940 - 0.960 g/cc	ASTM D792
Melt Flow	14.0 g/10 min	14.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	>= 23.4 MPa	>= 3400 psi	ASTM D638
Elongation at Break	>= 120 %	>= 120 %	ASTM D638
Flexural Modulus	1.38 GPa	200 ksi	ASTM D790
Izod Impact, Notched	>= 1.12 J/cm	>= 2.10 ft-lb/in	ASTM D256
Gardner Impact	>= 21.7 J @Thickness 3.17 mm	>= 16.0 ft-lb @Thickness 0.125 in	ASTM D5420

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-2 @Thickness 3.17 mm	V-2 @Thickness 0.125 in	
Oxygen Index	>= 24.0 %	>= 24.0 %	ASTM D2863

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

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