

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

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

### Material Notes:

Application: A UL94 V-2, flame retardant polypropylene compound for injection molding applications, including cases for industrial power supply. Compound is designed with halogen-based flame retardant technology and is available in a wide spectrum of colors. 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-CD-PP-Flame-Retardant.php](http://www.lookpolymers.com/polymer_SE-Specialty-Polymers-TufGuard-M-GPP1005M-CD-PP-Flame-Retardant.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.910 - 0.950 g/cc	0.910 - 0.950 g/cc	ASTM D792
Melt Flow	13.0 - 18.0 g/10 min	13.0 - 18.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	>= 22.8 MPa	>= 3300 psi	ASTM D638
Elongation at Break	>= 100 %	>= 100 %	Ultimate; ASTM D638
Flexural Modulus	1.31 GPa	190 ksi	ASTM D790
Izod Impact, Notched	>= 1.07 J/cm	>= 2.00 ft-lb/in	ASTM D256
Gardner Impact	>= 24.4 J	>= 18.0 ft-lb	ASTM D5420

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-2 @Thickness 0.7937 mm	V-2 @Thickness 0.03125 in	
Oxygen Index	>= 25.0 %	>= 25.0 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Dielectric Constant	2.10 @Frequency 1000 Hz	2.10 @Frequency 1000 Hz	ASTM D1531

Processing Properties	Metric	English	Comments
Processing Temperature	204 - 218 °C	400 - 425 °F	Suggested Stock

Descriptive Properties	Value	Comments
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Mold Shrinkage Descriptive Properties	13-15 mils/inch Value	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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