

## S&E Specialty Polymers GPP1005M-EX8 PP

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

**Material Notes:**

Application: Polypropylene compound designed with halogen-based flame retardant technology meeting the UL 94 V-2 rating. Available in a wide range of colors and not subject to additive bloom. Information provided by S&E Specialty Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SE-Specialty-Polymers-GPP1005M-EX8-PP.php](http://www.lookpolymers.com/polymer_SE-Specialty-Polymers-GPP1005M-EX8-PP.php)

| Physical Properties | Metric             | English            | Comments   |
|---------------------|--------------------|--------------------|------------|
| Specific Gravity    | 0.910 - 0.950 g/cc | 0.910 - 0.950 g/cc | ASTM D792  |
| Melt Flow           | 18 - 23 g/10 min   | 18 - 23 g/10 min   | ASTM D1238 |

| Mechanical Properties   | Metric        | English           | Comments   |
|-------------------------|---------------|-------------------|------------|
| Tensile Strength, Yield | >= 26.2 MPa   | >= 3800 psi       | ASTM D638  |
| Elongation at Break     | >= 30 %       | >= 30 %           | ASTM D638  |
| Flexural Modulus        | >= 1.62 GPa   | >= 235 ksi        | ASTM D790  |
| Izod Impact, Notched    | >= 0.427 J/cm | >= 0.800 ft-lb/in | ASTM D256  |
| Dart Drop, Total Energy | >= 14.9 J     | >= 11.0 ft-lb     | ASTM D5420 |

| Thermal Properties | Metric             | English              | Comments   |
|--------------------|--------------------|----------------------|------------|
| Flammability Test  | 3.0                | 3.0                  |            |
|                    | @Thickness 1.59 mm | @Thickness 0.0625 in |            |
| Oxygen Index       | >= 25 %            | >= 25 %              | ASTM D2863 |

| Electrical Properties | Metric             | English            | Comments   |
|-----------------------|--------------------|--------------------|------------|
| Dielectric Constant   | 2.1                | 2.1                | ASTM D1531 |
|                       | @Frequency 1000 Hz | @Frequency 1000 Hz |            |

## 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