

S&E Specialty Polymers GPP1001HFNH-2-AT(18) PP

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

Material Notes:

Application: Non-halogen flame retardant UL-94 V0 polypropylene compound. Information provided by S&E Specialty Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_SE-Specialty-Polymers-GPP1001HFNH-2-AT18-PP.php

| Physical Properties | Metric | English | Comments |
|---------------------|-------------------|-------------------|------------|
| Specific Gravity | 1.05 g/cc | 1.05 g/cc | ASTM D792 |
| Melt Flow | 9.0 - 14 g/10 min | 9.0 - 14 g/10 min | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|---------------|-------------------|------------|
| Tensile Strength, Yield | >= 18.6 MPa | >= 2700 psi | ASTM D638 |
| Elongation at Break | 50 % | 50 % | ASTM D638 |
| Flexural Modulus | >= 2.17 GPa | >= 315 ksi | ASTM D790 |
| Izod Impact, Notched | >= 0.320 J/cm | >= 0.600 ft-lb/in | ASTM D256 |
| Gardner Impact | >= 16.3 J | >= 12.0 ft-lb | ASTM D5420 |

| Thermal Properties | Metric | English | Comments |
|--------------------|---------------------------|-----------------------------|------------|
| Flammability Test | 5.0 @Thickness 1.59 mm | 5.0 @Thickness 0.0625 in | |
| Oxygen Index | >= 34 % | >= 34 % | ASTM D2863 |

| Descriptive Properties | Value | Comments |
|------------------------|-------|-------------|
| Color | >90 L | Colorimeter |

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