

Techmer ES HiFill[®] PP 0254 S Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Availability: North America Forms: Pellets Filler/Reinforcement: Unspecified Filler/Reinfor Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-PP-0254-S-Polypropylene.php

| Physical Properties | Metric | English | Comments |
|-----------------------------|------------------------------------|-------------------------------------|-----------|
| Density | 2.54 g/cc | 0.0918 lb/in ³ | ASTM D792 |
| Water Absorption | 0.050 % @Time 86400 sec | 0.050 % @Time 24.0 hour | ASTM D570 |
| Linear Mold Shrinkage, Flow | 0.0030 cm/cm @Thickness 3.17 mm | 0.0030 in/in @Thickness 0.125 in | ASTM D955 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|----------------------------------|---------------------------------------|-----------|
| Hardness, Rockwell R | 120 | 120 | ASTM D785 |
| Tensile Strength, Yield | 26.2 MPa | 3800 psi | ASTM D638 |
| Elongation at Break | 2.0 % | 2.0 % | ASTM D638 |
| Flexural Strength | 35.9 MPa | 5200 psi | ASTM D790 |
| Flexural Modulus | 5.17 GPa | 750 ksi | ASTM D790 |
| Izod Impact, Notched | 0.267 J/cm @Thickness 3.17 mm | 0.500 ft-lb/in @Thickness 0.125 in | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|----------------|------------------|-----------------------|
| CTE, linear, Parallel to Flow | 34.2 Åµm/m-Å°C | 19.0 Åµin/in-Å°F | ASTM D696 |
| Deflection Temperature at 0.46 MPa (66 psi) | 116 Å°C | 240 Å°F | Unannealed; ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 54.4 Å°C | 130 Å°F | Unannealed; ASTM D648 |

| Electrical Properties | Metric | English | Comments |
|-----------------------|--------|---------|-----------|
| Volume Resistivity | 1e+05 | 1e+05 | ASTM D257 |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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