

S&E Specialty Polymers TuffFill™ 5008 Polyolefin

Category : Fluid , Lubricant , Polyalphaolefin (PAO)

Material Notes:

Application: Thermoplastic polyolefin material is designed for molded in color automotive interior and exterior application. This product can be supplied in natural or an OEM matched color with UV protection or paintable version. Information provided by S&E Specialty Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_SE-Specialty-Polymers-TuffFill-5008-Polyolefin.php

| Physical Properties | Metric | English | Comments |
|---------------------|---|---|----------|
| Specific Gravity | 1.18 g/cc | 1.18 g/cc | ISO 1183 |
| Melt Flow | 20.0 g/10 min @Load 2.16 kg, Temperature 230 °C | 20.0 g/10 min @Load 4.76 lb, Temperature 446 °F | ISO 1133 |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|---------------------------------|------------------------------------|--|
| Tensile Strength | 17.0 MPa | 2470 psi | ISO 527 |
| Flexural Modulus | 2.268 GPa | 328.9 ksi | ISO 178 |
| Izod Impact, Notched (ISO) | 54.0 kJ/m ² | 25.7 ft-lb/in ² | ISO 180/1A |
| Impact Test | 19.0 J @Temperature 23.0 °C | 14.0 ft-lb @Temperature 73.4 °F | multiaxial, at 2.2 m/sec, 100% ductile; ASTM 3763 |
| | 22.4 J @Temperature -10.0 °C | 16.5 ft-lb @Temperature 14.0 °F | multiaxial, at 2.2 m/sec, 100% ductile; ASTM 3763 |

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