

SK Chemicals SKYPEL G182D General Grade

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyester, TP

Material Notes:

SKYPEL is a thermoplastic polyester elastomer (TPEE). It is a polymer resin having the property somewhere between plastics and rubber, which have various properties ranging from high hardness plastics to low hardness rubber. It is a kind of thermoplastic elastomer, which can be molded with general plastic mold by plasticizing at high temperature. Information provided by SK Chemicals

Order this product through the following link:

http://www.lookpolymers.com/polymer_SK-Chemicals-SKYPEL-G182D-General-Grade.php

| Physical Properties | Metric | English | Comments |
|-----------------------|---|---|--------------------|
| Specific Gravity | 1.27 g/cc | 1.27 g/cc | ASTM D792 |
| Water Absorption | 0.20 % | 0.20 % | 24 hour; ASTM D570 |
| Linear Mold Shrinkage | 0.022 cm/cm | 0.022 in/in | ASTM D955 |
| Melt Flow | 8.0 g/10 min @Load 2.16 kg, Temperature 230 Â°C | 8.0 g/10 min @Load 4.76 lb, Temperature 446 Â°F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|----------------------------|----------------------------|------------|
| Hardness, Shore D | 77 | 77 | ASTM D2240 |
| Tensile Strength, Ultimate | 49.0 MPa | 7110 psi | ASTM D638 |
| Tensile Strength, Yield | 29.4 MPa @Strain 5.00 % | 4270 psi @Strain 5.00 % | ASTM D638 |
| | 39.2 MPa @Strain 10.0 % | 5690 psi @Strain 10.0 % | ASTM D638 |
| Elongation at Break | 350 % | 350 % | ASTM D638 |
| Flexural Modulus | 0.883 GPa | 128 ksi | ASTM D790 |
| Izod Impact, Notched | 0.392 J/cm | 0.735 ft-lb/in | ASTM D256 |
| Tear Strength | 260 kN/m | 1480 pli | ASTM D1004 |

| Thermal Properties | Metric | English | Comments |
|---|---------|---------|------------|
| Melting Point | 222 Â°C | 432 Â°F | ASTM D3418 |
| Deflection Temperature at 0.46 MPa (66 psi) | 156 Â°C | 313 Â°F | ASTM D648 |

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