

SK Chemicals SKYPEL G175D 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-G175D-General-Grade.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.27 g/cc	1.27 g/cc	ASTM D792
Water Absorption	0.30 %	0.30 %	24 hour; ASTM D570
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	ASTM D955
Melt Flow	10 g/10 min @Load 2.16 kg, Temperature 230 Â°C	10 g/10 min @Load 4.76 lb, Temperature 446 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	75	75	ASTM D2240
Tensile Strength, Ultimate	48.1 MPa	6970 psi	ASTM D638
Tensile Strength, Yield	25.5 MPa @Strain 5.00 %	3700 psi @Strain 5.00 %	ASTM D638
	35.3 MPa @Strain 10.0 %	5120 psi @Strain 10.0 %	ASTM D644
Elongation at Break	380 %	380 %	ASTM D638
Flexural Modulus	0.765 GPa	111 ksi	ASTM D790
Izod Impact, Notched	0.392 J/cm	0.735 ft-lb/in	ASTM D256
Tear Strength	230 kN/m	1310 pli	ASTM D1004

Thermal Properties	Metric	English	Comments
Melting Point	220 Â°C	428 Â°F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	154 Â°C	309 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