

SK Chemicals SKYPEL G168D 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-G168D-General-Grade.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.24 g/cc	1.24 g/cc	ASTM D792
Water Absorption	0.30 %	0.30 %	24 hour; ASTM D570
Linear Mold Shrinkage	0.016 cm/cm	0.016 in/in	ASTM D955
Melt Flow	13 g/10 min @Load 2.16 kg, Temperature 230 Â°C	13 g/10 min @Load 4.76 lb, Temperature 446 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	68	68	ASTM D2240
Tensile Strength, Ultimate	45.1 MPa	6540 psi	ASTM D638
Tensile Strength, Yield	14.7 MPa @Strain 5.00 %	2130 psi @Strain 5.00 %	ASTM D638
	23.5 MPa @Strain 10.0 %	3410 psi @Strain 10.0 %	ASTM D638
Elongation at Break	450 %	450 %	ASTM D638
Flexural Modulus	0.461 GPa	66.8 ksi	ASTM D790
Resilience	47	47	ASTM D2632
Izod Impact, Notched	2.26 J/cm	4.22 ft-lb/in	ASTM D256
Tear Strength	193 kN/m	1100 pli	ASTM D1004

Thermal Properties	Metric	English	Comments
Melting Point	215 Â°C	419 Â°F	ASTM D3418
Deflection Temperature at 0.46 MPa			

(56 psi)	140 Å°C	284 Å°F	ASTM D648
Thermal Properties	Metric	English	Comments

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