

SK Chemicals SKYPEL G140D 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-G140D-General-Grade.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.16 g/cc	1.16 g/cc	ASTM D792
Water Absorption	0.60 %	0.60 %	24 hour; ASTM D570
Linear Mold Shrinkage	0.0080 cm/cm	0.0080 in/in	ASTM D955
Melt Flow	7.0 g/10 min @Load 2.16 kg, Temperature 190 Â°C	7.0 g/10 min @Load 4.76 lb, Temperature 374 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	40	40	ASTM D2240
Tensile Strength, Ultimate	26.5 MPa	3840 psi	ASTM D638
Tensile Strength, Yield	2.35 MPa @Strain 5.00 %	341 psi @Strain 5.00 %	ASTM D638
	4.31 MPa @Strain 10.0 %	626 psi @Strain 10.0 %	ASTM D638
Elongation at Break	600 %	600 %	ASTM D638
Flexural Modulus	0.0667 GPa	9.67 ksi	ASTM D790
Resilience	47	47	ASTM D2632
Izod Impact, Notched	NB	NB	ASTM D256
Tear Strength	115 kN/m	656 pli	ASTM D1004

Thermal Properties	Metric	English	Comments
Melting Point	155 Â°C	311 Â°F	ASTM D3418
Deflection Temperature at 0.46 MPa			

(56 psi) Thermal Properties	70.0 A°C Metric	158 A°F English	ASTM D648 Comments
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