

SK Chemicals SKYPEL G130D 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-G130D-General-Grade.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.07 g/cc	1.07 g/cc	ASTM D792
Water Absorption	0.80 %	0.80 %	24 hour; ASTM D570
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	ASTM D955
Melt Flow	18 g/10 min @Load 2.16 kg, Temperature 220 Â°C	18 g/10 min @Load 4.76 lb, Temperature 428 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	30	30	ASTM D2240
Tensile Strength, Ultimate	21.6 MPa	3130 psi	ASTM D638
Tensile Strength, Yield	0.588 MPa @Strain 5.00 %	85.3 psi @Strain 5.00 %	ASTM D638
	1.77 MPa @Strain 10.0 %	256 psi @Strain 10.0 %	ASTM D638
Elongation at Break	900 %	900 %	ASTM D638
Flexural Modulus	0.0275 GPa	3.98 ksi	ASTM D790
Resilience	72	72	ASTM D2632
Izod Impact, Notched	NB	NB	ASTM D256
Tear Strength	95.0 kN/m	542 pli	ASTM D1004

Thermal Properties	Metric	English	Comments
Melting Point	174 Â°C	345 Â°F	ASTM D3418

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