

SK Chemicals SKYPEL M555CR Special Grade Copper Resistance

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-M555CR-Special-Grade-Copper-Resistance.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 g/cc	ASTM D792
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	54	54	ASTM D2240
Tensile Strength, Ultimate	45.1 MPa	6540 psi	ASTM D638
Tensile Strength, Yield	6.08 MPa @Strain 5.00 %	882 psi @Strain 5.00 %	ASTM D638
	10.2 MPa @Strain 10.0 %	1480 psi @Strain 10.0 %	ASTM D638
Elongation at Break	915 %	915 %	ASTM D638
Flexural Modulus	0.196 GPa	28.4 ksi	ASTM D790
Tear Strength	130 kN/m	742 pli	ASTM D1004

Thermal Properties	Metric	English	Comments
Melting Point	201 Â°C	394 Â°F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	100 Â°C	212 Â°F	ASTM D648

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