

SK Chemicals SKYPEL M572CR 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-M572CR-Special-Grade-Copper-Resistance.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.26 g/cc	1.26 g/cc	ASTM D792
Melt Flow	24 g/10 min @Load 2.16 kg, Temperature 230 Â°C	24 g/10 min @Load 4.76 lb, Temperature 446 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	70	70	ASTM D2240
Tensile Strength, Ultimate	53.9 MPa	7820 psi	ASTM D638
Tensile Strength, Yield	20.6 MPa @Strain 5.00 %	2990 psi @Strain 5.00 %	ASTM D638
	27.5 MPa @Strain 10.0 %	3980 psi @Strain 10.0 %	ASTM D638
Elongation at Break	550 %	550 %	ASTM D638
Flexural Modulus	0.490 GPa	71.1 ksi	ASTM D790
Tear Strength	190 kN/m	1080 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)	140 Â°C	284 Â°F	ASTM D648

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