

## SK Chemicals SKYPEL G355D Special Grade Flexibility-Resistant 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-G355D-Special-Grade-Flexibility-Resistant-Grade.php](http://www.lookpolymers.com/polymer_SK-Chemicals-SKYPEL-G355D-Special-Grade-Flexibility-Resistant-Grade.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ASTM D792
Melt Flow	8.5 g/10 min	8.5 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 Â°C	@Load 4.76 lb, Temperature 446 Â°F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	56	56	ASTM D2240
Tensile Strength, Ultimate	49.0 MPa	7110 psi	ASTM D638
Tensile Strength, Yield	6.37 MPa	925 psi	ASTM D638
	@Strain 5.00 %	@Strain 5.00 %	
Elongation at Break	10.8 MPa	1560 psi	ASTM D638
	@Strain 10.0 %	@Strain 10.0 %	
Flexural Modulus	0.206 GPa	29.9 ksi	ASTM D790
Tear Strength	165 kN/m	941 pli	ASTM D1004

Thermal Properties	Metric	English	Comments
Melting Point	205 Â°C	401 Â°F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	85.0 Â°C	185 Â°F	ASTM D648

### Contact Songhan Plastic Technology Co.,Ltd.

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