



SKYPEL® G140D

SK Chemicals - Thermoplastic Polyester Elastomer

Thursday, June 19, 2008

General Information

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• North America	
Forms	• Pellets		

ASTM and ISO Properties¹

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Specific Gravity	1.16	1.16	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.0 g/10 min	7.0 g/10 min	ASTM D1238
Molding Shrinkage (Flow)	0.0080 in/in	0.80 %	ASTM D955
Water Absorption (24 hr)	0.60 %	0.60 %	ASTM D570
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength			ASTM D638
5.0 % Strain	341 psi	2.35 MPa	
10 % Strain	626 psi	4.31 MPa	
Tensile Strength (Break)	3840 psi	26.5 MPa	ASTM D638
Tensile Elongation (Break)	680 %	680 %	ASTM D638
Flexural Modulus	9670 psi	66.7 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	No Break	No Break	ASTM D256
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore D)	40	40	ASTM D2240
Thermal	Nominal Value (English)	Nominal Value (SI)	
Melting Temperature	311 °F	155 °C	

Additional Properties

Resilience, ASTM D2632: 53%
Tear Strength, ASTM D1004: 180 kN/m
Heat Distortion Temperature, ASTM D648: 130°C

Notes

¹ Typical properties: these are not to be construed as specifications.