

SKYPEL

Engineering Thermoplastic Polyester Elastomer

Version: SK-160909
Date Updated: 2016-09-09

Technical Data Sheet

SKYPEL G140DW

Properties	ASTM No	Units	G140DW
Hardness 경도	D2240	Shore D	40
Specific Gravity 비중	D792	-	1.16
Water Absorption 물흡수도	D570	%	0.6
Mold Shrinkage 성형수축율	D955	%	0.8
Tensile Stress at 5% Strain ¹⁾ 5%신장시 인장강도	D638	kg/cm ²	24
Tensile Stress at 10% Strain ¹⁾ 10%신장시 인장강도	D638	kg/cm ²	44
Tensile Stress at Break ¹⁾ 파단시 인장강도	D638	kg/cm ²	270
Elongation at Break ¹⁾ 파단시 신율	D638	%	680
Flexural Modulus ²⁾ 굴곡탄성율	D790	kg/cm ²	680
Tear Strength ³⁾ 인열강도	D1004	kN/m	115
Izod Impact Strength / Notched ⁴⁾ 충격강도	D256	kg-cm/cm	N.B.
Resilience ⁵⁾ 반발탄성	D2632	%	57
Melting Point ⁶⁾ 융점	D3418	°C	153
Heat Distortion Temperature ⁷⁾ 열변형온도	D648	°C	70
Melt Flow Rate 용융흐름지수	D1238	g/10min	11
Temperature, °C / 2.16kg 측정온도			190
Volume Resistivity 체적저항율	D257	Ω-cm	3 x 10 ¹³
Surface Resistivity 표면저항율	D257		2 x 10 ¹⁴
Dissipation Factor at 10 ⁶ Hz 유전손실	D150	-	0.054

1) ASTM Type IV dumbbells diecut from injection molded slab 2mm thick. Crosshead speed 50mm/min.

2) Crosshead speed 1.3mm/min.

3) Specimens 2mm thick. Crosshead speed 51mm/min.

4) Specimens 6.35mm thick.

5) Vertical rebound.

6) Differential Scanning Calorimeter (DSC), peak of endotherm. Heating rate 10°C/min.

7) Load 4.6kg/cm².

All data reported here are believed to be correct. However, this should not be accepted as a guarantee of their accuracy.