

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

## 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 성형수축률	D955	%	0.8
Tensile Stress at 5% Strain <sup>1)</sup> 5%신장시 인장강도	D638	kg/cm <sup>2</sup>	24
Tensile Stress at 10% Strain <sup>1)</sup> 10%신장시 인장강도	D638	kg/cm <sup>2</sup>	44
Tensile Stress at Break <sup>1)</sup> 파단시 인장강도	D638	kg/cm <sup>2</sup>	270
Elongation at Break <sup>1)</sup> 파단시 신율	D638	%	680
Flexural Modulus <sup>2)</sup> 굴곡탄성률	D790	kg/cm <sup>2</sup>	680
Tear Strength <sup>3)</sup> 인열강도	D1004	kN/m	115
Izod Impact Strength / Notched <sup>4)</sup> 충격강도	D256	kg-cm/cm	N.B.
Resilience <sup>5)</sup> 반발탄성	D2632	%	57
Melting Point <sup>6)</sup> 용점	D3418	°C	153
Heat Distortion Temperature <sup>7)</sup> 열변형온도	D648	°C	70
Melt Flow Rate 용융흐름지수	D1238	g/10min	11
Temperature, °C / 2.16kg 측정온도			190
Volume Resistivity 체적저항률	D257	Ω-cm	3 x 10 <sup>13</sup>
Surface Resistivity 표면저항률	D257		2 x 10 <sup>14</sup>
Dissipation Factor at 10 <sup>6</sup> Hz 유전정접	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/cm<sup>2</sup>.

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