

Injection Properties for SKYGREEN® JN100

Product Name	: SKYGREEN® JN100 CAS No. 25038-91-9
Test Results	: For further details, please contact SK chemicals R&D center.
Test Performed	: SK Chemicals R&D center

Property	Test Method	Unit	Typical Values
Rockwell Hardness	ASTM D785	R-scale	105
Specific Gravity	ASTM D792	-	1.23
Moisture Absorption Factor	ASTM D570	%	0.13
Mechanical			
Tensile Strength @ Yield 50mm/min (2 inch/min)	ASTM D638	kgf/cm ²	460
Tensile Strength @ Break 50mm/min (2 inch/min)	ASTM D638	kgf/cm ²	540
Elongation @ Yield 50mm/min (2 inch/min)	ASTM D638	%	5.0
Elongation @ Break 50mm/min (2 inch/min)	ASTM D638	%	340
Flexural Strength 1.27mm/min (0.05 inch/min)	ASTM D790	kgf/cm ²	680
Flexural Modulus 1.27mm/min (0.05 inch/min)	ASTM D790	kgf/cm ²	18300
Izod Impact Strength, Notched @ 23 °C(73 °F)	ASTM D256	J/m	No Break
Thermal			
Heat Distortion Temperature @ 0.455 MPa(66 psi)	ASTM D648	°C	74
Glass Transition Temperature	ASTM D1525	°C	
Optical			
Haze	ASTM D1003	%	< 1.0
Transmittance	ASTM D1003	%	90
Refractive Index, n _D	ASTM D542	-	

