

Data Sheet of SKYGREEN PN200

High Flowability co-polyester for Injection moulding

FEATURES :	APPLICATIONS :
<ul style="list-style-type: none"> • Outstanding Clarity & High gloss • Good Processibility • Excellent chemical resistance • Environmental friendly 	<ul style="list-style-type: none"> • Cosmetic packaging • Toys, Refrigerator Parts • Electric & Electronic Parts • Medical devices, Tools

● **Injection Molded Property (ASTM Method)**

Property	Test Method	Unit	Typical Values
Physical			
Specific Gravity	ASTM D792	-	1.27
Mold Shrinkage Parallel to Flow	ASTM D955	%	0.2 – 0.5
Rockwell Hardness	ASTM D785	R-scale	105
Water Absorption (24 hr immersion)	ASTM D570	%	0.13
Mechanical (ISO Method)			
Tensile Strength @ Yield 50mm/min (2 inch/min)	ISO 527	MPa	50
Tensile Strength @ Break 50mm/min (2 inch/min)	ISO 527	MPa	26
Elongation @ Yield 50mm/min (2 inch/min)	ISO 527	%	4.5
Elongation @ Break 50mm/min (2 inch/min)	ISO 527	%	120
Flexural Strength 1.27mm/min (0.05 inch/min)	ISO 178	MPa	69
Flexural Modulus 1.27mm/min (0.05 inch/min)	ISO 178	MPa	2050
Izod Impact Strength, Notched @ 23 °C(73 °F)	ISO 180	J/m(kgf · cm/cm) ft · lbf/in.	7.9
Thermal			
Heat Distortion Temperature @ 0.45 MPa(66 psi)	ISO 75	°C	70
@ 1.82 MPa(264 psi)		°C	62
Optical			
Haze	ASTM D1003	%	< 1.0
Total Transmittance	ASTM D1003	%	90

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