

**Product Texts**

SKYGREEN® J is a PCTG with excellent appearance and clarity, as well as its easy processability. Among other SKYGREEN® grades, JN100 has outstanding impact

strength and chemical resistance.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.0035	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Yield stress	44	MPa	ISO 527
Yield strain	4.4	%	ISO 527
Stress at break	46	MPa	ISO 527
Strain at break	220	%	ISO 527
Flexural modulus, 23°C	1600	MPa	ISO 178
Flexural strength	60	MPa	ISO 178
Izod notched impact strength, +23°C	93	kJ/m <sup>2</sup>	ISO 180/1A

<b>ASTM Data</b>			
Tensile Strength at Yield	45	MPa	ASTM D 638
Tensile Strength at Break	53	MPa	ASTM D 638
Elongation at Yield	5	%	ASTM D 638
Elongation at Break	340	%	ASTM D 638
Flexural Modulus	1800	MPa	ASTM D 790
Flexural Strength	67	MPa	ASTM D 790
Rockwell Hardness	R 105	-	ASTM D 785
Izod Impact notched, 1/8 in	860	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	64	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	76	°C	ISO 75-1/-2
<b>ASTM Data</b>			
DTUL @ 66 psi	74	°C	ASTM D 648
DTUL @ 264 psi	64	°C	ASTM D 648

Optical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Haze	1	%	ASTM D 1003
Light Transmittance	90	%	ASTM D 1003

Other properties	Value	Unit	Test Standard
Density	1230	kg/m <sup>3</sup>	ASTM D 792

**Characteristics**

**Processing**

Sheet Extrusion

**Special Characteristics**

High impact or impact modified, Transparent

**Chemical Resistance**

General Chemical Resistance

**Certifications**

Food contact, RoHS compliant

**Applications**

Packaging

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America