

SKYGREEN® JN100

PCTG

SK Chemicals

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
ASTM Data			
Mold Shrinkage, MD	0.0035	mm/mm	ASTM D 955
Density, 73°F	1230	kg/m³	ASTM D 792

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
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
Notched Impact Strength (Izod), 23°C	93	kJ/m²	ISO 180/1A
ASTM Data			
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
Notched Impact Strength (Izod), 1/8 in	860	J/m	ASTM D 256

Thermal Properties	Value	Unit	Test Standard
ISO Data			
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
ASTM Data			
DTUL @ 66 psi	74	°C	ASTM D 648
DTUL @ 264 psi	64	°C	ASTM D 648

Optical Properties	Value	Unit	Test Standard
ASTM Data			
Haze	1	%	ASTM D 1003
Light Transmittance	90	%	ASTM D 1003

Characteristics

Processing

Sheet Extrusion

Certifications

Food approval

Special Characteristics

Impact modified, Transparent

Applications

Packaging

Chemical Resistance

General Chemical Resistance