

Product Texts

SKYGREEN® J is a PCTG with excellent appearance and clarity, as well as its easy processability. Among other SKYGREEN® grades, JN400 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

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
Izod notched impact strength, +23°C	93	kJ/m ²	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
Izod Impact notched, 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

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

Characteristics

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