

Product Texts

SKYGREEN is a BPA free high-performance PETG with exceptional transparency, chemical resistance, and processability.

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	49	MPa	ISO 527
Yield strain	4.1	%	ISO 527
Stress at break	23	MPa	ISO 527
Strain at break	40	%	ISO 527
Flexural modulus, 23°C	1890	MPa	ISO 178
Flexural strength	67	MPa	ISO 178
Izod notched impact strength, +23°C	7	kJ/m ²	ISO 180/1A
Rockwell hardness	R 105	-	ISO 2039-2
ASTM Data			
Tensile Strength at Yield	46.1	MPa	ASTM D 638
Tensile Strength at Break	46.1	MPa	ASTM D 638
Elongation at Yield	4.5	%	ASTM D 638
Elongation at Break	120	%	ASTM D 638
Flexural Modulus	1893	MPa	ASTM D 790
Flexural Strength	70.6	MPa	ASTM D 790
Rockwell Hardness	R 105	-	ASTM D 785
Izod Impact notched, 1/8 in	105	J/m	ASTM D 256

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	62	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	72	°C	ISO 75-1/-2
ASTM Data			
DTUL @ 66 psi	70	°C	ASTM D 648
DTUL @ 264 psi	62	°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	1270	kg/m ³	ASTM D 792

Characteristics

Processing

Injection Molding

Special Characteristics

Transparent

Chemical Resistance

General Chemical Resistance

Certifications

Food contact, RoHS compliant

Applications

Packaging

Regional Availability

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