

Product Texts

SKYGREEN® is a glycol-modified polyethylene terephthalate (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	30	MPa	ISO 527
Strain at break	240	%	ISO 527
Flexural modulus, 23°C	1800	MPa	ISO 178
Flexural strength	64	MPa	ISO 178
Izod notched impact strength, +23°C	7.3	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Strength at Yield	44.6	MPa	ASTM D 638
Tensile Strength at Break	29.4	MPa	ASTM D 638
Elongation at Yield	4.5	%	ASTM D 638
Elongation at Break	250	%	ASTM D 638
Flexural Modulus	2158	MPa	ASTM D 790
Flexural Strength	74	MPa	ASTM D 790
Rockwell Hardness	R 108	-	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
Film Extrusion, Sheet Extrusion

Certifications
Food contact, RoHS compliant

Special Characteristics
Transparent

Applications
Packaging

Chemical Resistance
General Chemical Resistance

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