

**Product Texts**

SKYGREEN® is a glycol-modified polyethylene terephthalate (PETG) with exceptional transparency, chemical resistance, and processability

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

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Yield stress	<b>49</b>	MPa	ISO 527
Yield strain	<b>4.1</b>	%	ISO 527
Stress at break	<b>30</b>	MPa	ISO 527
Strain at break	<b>240</b>	%	ISO 527
Flexural modulus, 23°C	<b>1800</b>	MPa	ISO 178
Flexural strength	<b>64</b>	MPa	ISO 178
Izod notched impact strength, +23°C	<b>7.3</b>	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>44.6</b>	MPa	ASTM D 638
Tensile Strength at Break	<b>29.4</b>	MPa	ASTM D 638
Elongation at Yield	<b>4.5</b>	%	ASTM D 638
Elongation at Break	<b>250</b>	%	ASTM D 638
Flexural Modulus	<b>2158</b>	MPa	ASTM D 790
Flexural Strength	<b>74</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 108</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>105</b>	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>62</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>72</b>	°C	ISO 75-1/-2
<b>ASTM Data</b>			
DTUL @ 66 psi	<b>70</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>62</b>	°C	ASTM D 648

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

Other properties	Value	Unit	Test Standard
Density	<b>1270</b>	kg/m <sup>3</sup>	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