



BC11C/BC51C

◆ Product Description

Skywel® is a brand of SKC bio-compostable films made of PLA. Skywel® is an sustainable film and an eco-friendly film that completely decomposes in an industrial landfill environment. Superb thickness control ensures excellent machineability and productivity. **BC11C** is a clear PLA film with one-side corona treatment for ink adhesion. **BC51C** is a matte PLA film with one-side corona treated for ink adhesion. BC11C/51C are being used for various packaging applications.

◆ Typical Properties

Property	Unit	Value		Test Method
		BC11C	BC51C	
General				
Nominal Thickness	Gauge (micron)	80 (20)	80 (20)	SKC Method
Density	g/cm ³	1.25	1.25	ASTM D 1505
Yield	in ² /lb	28,000	28,000	
Mechanical				
Tensile Strength	kpsi MD (kg/mm ²) TD	21	24	ASTM D 882
		26	34	
Elongation at Break	% MD TD	140	155	ASTM D 882
		120	110	
Surface				
Friction Coefficient	μk μs	0.34	0.33	ASTM D 1894
		0.42	0.36	
Surface Tension	dyne/cm	50	48	Corona
Surface Resistance	Ω/□ Coated side		<10 ¹⁰	Anti static coating
Environment				
Biodegradability Index	%	106.5	106.5	ASTM D 5338
Optical				
Haze	%	1.0	55.0	ASTM D 1003
Transmittance	%	94.2	84	ASTM D 1003
Gloss (60°)			38	ASTM D 2457
Thermal				
Heat Shrinkage	% MD TD	4.1	4.0	SKC Method (100°C x 5 min)
		1.2	5.0	

Unit Correlation: Gauge = um ÷ 0.254, psi = Kg/mm² x 1422.3, N/mm² = x 9.8

SKC-TPS-H-2-0

This information is currently the best available on the subject. The results should, however, only be used as a general guide to material properties and not as a guarantee. Some of the properties can be changed as a result of supplier's effort to improve the quality or production