

Skyrol® SP65

Polyethylene Terephthalate

SKC Inc.

Message:

Skyrol® SP65 is a transparent film with excellent handling characteristics and widely used in flexible packaging applications. SP65 is corona treated on one side.

General Information			
UL YellowCard	E74359-249671		
Features	Good Flexibility		
	Good Processability		
Uses	Film		
	Packaging		
Appearance	Clear/Transparent		
Forms	Film		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.40	g/cm ³	ASTM D1505
Molding Shrinkage			
Flow : 150°C, 30 min, 0.00900 mm	1.8	%	Internal Method
Flow : 150°C, 30 min, 0.0120 mm	1.8	%	Internal Method
Flow : 150°C, 30 min, 0.0230 mm	1.6	%	ASTM D955
Flow : 150°C, 30 min, 0.0360 mm	1.5	%	ASTM D955
Across Flow : 150°C, 30 min, 0.00900 mm	0.50	%	Internal Method
Across Flow : 150°C, 30 min, 0.0120 mm	0.60	%	Internal Method
Across Flow : 150°C, 30 min, 0.0230 mm	0.60	%	ASTM D955
Across Flow : 150°C, 30 min, 0.0360 mm	0.60	%	ASTM D955
Surface Tension			ASTM D2578
Corona Treated : 9.0 µm	54	mN/m	
Corona Treated : 12.0 µm	52	mN/m	
Corona Treated : 23.0 µm	52	mN/m	
Corona Treated : 36.0 µm	54	mN/m	
Untreated : 9.0 µm	46	mN/m	
Untreated : 12.0 µm	46	mN/m	
Untreated : 23.0 µm	46	mN/m	
Untreated : 36.0 µm	46	mN/m	
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction			ASTM D1894
vs. Itself - Dynamic ²	0.30		

vs. Itself - Dynamic ³	0.40		
vs. Itself - Dynamic ⁴	0.40		
vs. Itself - Dynamic ⁵	0.50		
vs. Itself - Static ⁶	0.40		
vs. Itself - Static ⁷	0.50		
vs. Itself - Static ⁸	0.50		
vs. Itself - Static ⁹	0.40		
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD : Yield,9.0 µm	296	MPa	
MD : Yield,12 µm	303	MPa	
MD : Yield,23 µm	255	MPa	
MD : Yield,36 µm	248	MPa	
TD : Yield,9.0 µm	255	MPa	
TD : Yield,12 µm	255	MPa	
TD : Yield,23 µm	248	MPa	
TD : Yield,36 µm	228	MPa	
Tensile Elongation			ASTM D882
MD : Break, 9.0 µm	110	%	
MD : Break, 12 µm	110	%	
MD : Break, 23 µm	130	%	
MD : Break, 36 µm	130	%	
TD : Break, 9.0 µm	120	%	
TD : Break, 12 µm	120	%	
TD : Break, 23 µm	120	%	
TD : Break, 36 µm	120	%	
Optical	Nominal Value	Unit	Test Method
Gardner Gloss			ASTM D523
9.00 µm	161		
12.0 µm	162		
23.0 µm	162		
36.0 µm	160		
Transmittance			ASTM D1003
9.00 µm	90.0	%	
12.0 µm	90.0	%	
23.0 µm	90.0	%	
36.0 µm	90.0	%	
Haze			ASTM D1003
9.00 µm	3.1	%	
12.0 µm	2.9	%	
23.0 µm	3.5	%	
36.0 µm	4.7	%	

NOTE	
1.	23 μm
2.	36 μm
3.	23 μm
4.	12 μm
5.	9 μm
6.	36 μm
7.	12 μm
8.	9 μm
9.	23 μm

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