

Skyrol® SP91

Polyethylene Terephthalate

SKC Inc.

Message:

Skyrol® SP91 is a one side chemically treated polyester film which provides enhanced adhesion to various kinds of metals, inks, and adhesives. When metallized on the chemically pretreated surface, SP91 shows significantly improved adhesion characteristics.

General Information			
UL YellowCard	E74359-249671		
Features	Good Adhesion		
Uses	Adhesives		
	Film		
Forms	Film		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.40	g/cm ³	ASTM D1505
Molding Shrinkage			Internal Method
Flow : 150°C, 30 min, 0.0120 mm	1.7	%	
Flow : 150°C, 30 min, 0.0230 mm	1.6	%	
Across Flow : 150°C, 30 min, 0.0120 mm	0.80	%	
Across Flow : 150°C, 30 min, 0.0230 mm	1.2	%	
Surface Tension - Treated			
12.0 µm	55	mN/m	ASTM D257
23.0 µm	55	mN/m	ASTM D2578
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 - Static ⁴	0.40		
vs. Itself - Static ⁵	0.40		
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD : Yield, 12 µm	290	MPa	
MD : Yield, 23 µm	276	MPa	
TD : Yield, 12 µm	255	MPa	
TD : Yield, 23 µm	248	MPa	
Tensile Elongation			ASTM D882
MD : Break, 12 µm	120	%	
MD : Break, 23 µm	130	%	
TD : Break, 12 µm	120	%	

TD : Break, 23 μm	120	%	
Optical	Nominal Value	Unit	Test Method
Gardner Gloss			ASTM D523
12.0 μm	164		
23.0 μm	163		
Transmittance			ASTM D1003
12.0 μm	90.0	%	
23.0 μm	90.0	%	
Haze			ASTM D1003
12.0 μm	3.0	%	
23.0 μm	4.0	%	

NOTE			
1.	23 μm		
2.	23 μm		
3.	12 μm		
4.	12 μm		
5.	23 μm		

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