

Skyrol® SP93

Polyethylene Terephthalate

SKC Inc.

Message:

Skyrol® SP93 is a one side chemical treated polyester film which provides enhanced bond strength to metal and many inks, coatings and adhesives. When metallized on the chemical treated side, SP93 shows excellent metal adhesion force like SP91. In addition, SP93 maintains excellent metal bond-adhesion after boiling and can hence be used for all applications, where pasteurization after filling is required.

General Information			
UL YellowCard	E74359-249671		
Features	Bondability		
	Good Adhesion		
Uses	Adhesives		
	Coating Applications		
	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	1.0	%	
Across Flow : 150°C, 30 min, 0.0120 mm	0.50	%	
Surface Tension			
Treated : 12.0 µm	52	mN/m	ASTM D257
Untreated : 12.0 µm	46	mN/m	ASTM D2578
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction ²			ASTM D1894
vs. Itself - Dynamic	0.40		
vs. Itself - Static	0.40		
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD : Yield, 12 µm	228	MPa	
TD : Yield, 12 µm	200	MPa	
Tensile Elongation			ASTM D882
MD : Break, 12 µm	130	%	
TD : Break, 12 µm	130	%	
Optical	Nominal Value	Unit	Test Method
Gardner Gloss (12.0 µm)	163		ASTM D523
Transmittance (12.0 µm)	90.0	%	ASTM D1003
Haze (12.0 µm)	3.1	%	ASTM D1003

NOTE

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|----|------------------|
| 1. | 12 μm |
| 2. | 12 μm |

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