

Skyrol® SH82L

Polyethylene Terephthalate

SKC Inc.

Message:

Skyrol® SH82L is an optically clear, glossy film with adhesion promoting pretreatment on both sides. SH82L provides good adhesion to various inks. SH82L also provides low heat-shrinkage and is ideal for RFID tag substrates, membrane touch switch materials and other similar applications.

General Information			
UL YellowCard	E74359-249671		
Features	Good Adhesion		
	High Gloss		
	Low Shrinkage		
	Opticals		
Uses	Film		
	Membranes		
Appearance	Clear/Transparent		
Forms	Film		
Physical	Nominal Value	Unit	Test Method
Molding Shrinkage			Internal Method
Flow : 150°C, 30 min, 0.125 mm	0.40	%	
Flow : 150°C, 30 min, 0.175 mm	0.40	%	
Across Flow : 150°C, 30 min, 0.125 mm	0.40	%	
Across Flow : 150°C, 30 min, 0.175 mm	0.10	%	
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction			ASTM D1894
vs. Itself - Dynamic ¹	0.40		
vs. Itself - Dynamic ²	0.40		
vs. Itself - Static ³	0.50		
vs. Itself - Static ⁴	0.50		
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD : Yield, 130 µm	179	MPa	
MD : Yield, 180 µm	145	MPa	
TD : Yield, 130 µm	207	MPa	
TD : Yield, 180 µm	193	MPa	
Tensile Elongation			ASTM D882
MD : Break, 130 µm	190	%	
MD : Break, 180 µm	250	%	

TD : Break, 130 μm	140	%	
TD : Break, 180 μm	140	%	
Optical	Nominal Value	Unit	Test Method
Gardner Gloss			ASTM D523
125 μm	194		
175 μm	181		
Transmittance			ASTM D1003
125 μm	89.7	%	
175 μm	89.4	%	
Haze			ASTM D1003
125 μm	1.2	%	
175 μm	2.2	%	
NOTE			
1.	175 μm		
2.	125 μm		
3.	125 μm		
4.	175 μm		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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