

# Skyrol® SH82

Polyethylene Terephthalate

SKC Inc.

## Message:

Skyrol® SH82 is an optically very clear, glossy polyester film. SH82 is both side pretreated for adhesion promotion. SH82 was developed for use as substrate for printing labels, color proofing, masking, overhead projection transparencies, engineering drawing, drafting, etc. and is available in thicknesses from 200 to 1000 gauge.

General Information			
UL YellowCard	E74359-456682	E74359-249671	
Features	Good Adhesion		
	High Gloss		
	Opticals		
Uses	Film		
	Labels		
	Sheet		
Appearance	Clear/Transparent		
Forms	Film		
Physical	Nominal Value	Unit	Test Method
Density <sup>1</sup>	1.40	g/cm <sup>3</sup>	ASTM D1505
Molding Shrinkage			Internal Method
Flow : 150°C, 30 min, 0.0500 mm	1.2	%	
Flow : 150°C, 30 min, 0.100 mm	1.0	%	
Across Flow : 150°C, 30 min, 0.0500 mm	0.50	%	
Across Flow : 150°C, 30 min, 0.100 mm	0.50	%	
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction			ASTM D1894
vs. Itself - Dynamic <sup>2</sup>	0.40		
vs. Itself - Dynamic <sup>3</sup>	0.40		
vs. Itself - Static <sup>4</sup>	0.50		
vs. Itself - Static <sup>5</sup>	0.50		
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD : Yield,50 µm	207	MPa	
MD : Yield,100 µm	193	MPa	
TD : Yield,50 µm	228	MPa	
TD : Yield,100 µm	214	MPa	
Tensile Elongation			ASTM D882
MD : Break, 50 µm	160	%	

MD : Break, 100 µm	180	%	
TD : Break, 50 µm	130	%	
TD : Break, 100 µm	120	%	
Optical	Nominal Value	Unit	Test Method
Gardner Gloss			ASTM D523
50.0 µm	187		
100 µm	188		
Transmittance			ASTM D1003
50.0 µm	90.0	%	
100 µm	90.0	%	
Haze			ASTM D1003
50.0 µm	0.90	%	
100 µm	1.2	%	
NOTE			
1.	100 µm		
2.	100 µm		
3.	50 µm		
4.	50 µm		
5.	100 µm		

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#### Recommended distributors for this material

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