

Skyrol® SH81

Polyethylene Terephthalate

SKC Inc.

Message:

Skyrol® SH81 is super clear, glossy polyester film , pretreated on one side to promote ink adhesion and high clarity. SH81 was developed for use as substrate for printing labels, color proofing, masking, overhead projection transparencies, engineering drawing, drafting, etc.

General Information			
UL YellowCard	E74359-100717954	E74359-249671	
Features	Good Adhesion		
	High Clarity		
	High Gloss		
Uses	Clear Sheet		
	Film		
	Sheet		
Appearance	Clear/Transparent		
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, 0.0500 mm	1.2	%	
Flow : 150°C, 30 min, 0.125 mm	1.1	%	
Across Flow : 150°C, 30 min, 0.0500 mm	0.50	%	
Across Flow : 150°C, 30 min, 0.125 mm	0.60	%	
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction ²			ASTM D1894
vs. Itself - Dynamic	0.40		
vs. Itself - Static	0.50		
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD : Yield,50 µm	214	MPa	
MD : Yield,130 µm	193	MPa	
TD : Yield,0.013 µm	207	MPa	
TD : Yield,50 µm	234	MPa	
Tensile Elongation			ASTM D882
MD : Break, 36 µm	130	%	
MD : Break, 130 µm	190	%	
TD : Break, 50 µm	130	%	


TD : Break, 130 μm	120	%	
Optical	Nominal Value	Unit	Test Method
Gardner Gloss			ASTM D523
50.0 μm	188		
125 μm	190		
Transmittance			ASTM D1003
50.0 μm	90.0	%	
125 μm	89.0	%	
Haze			ASTM D1003
50.0 μm	0.80	%	
125 μm	1.3	%	
NOTE			
1.	125 μm		
2.	125 μm		

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