

Skyrol® SH21

Polyethylene Terephthalate

SKC Inc.

Message:

Skyrol® SH21 is an optically clear, and one side chemically treated film. SH21 provides enhanced adhesion to various inks and adhesives, and comes in a variable of thicknesses ranging from 48 to 142 gauge. SH21 is mostly used for labels, solar control, high grade packing, printing, etc.

General Information			
UL YellowCard	E74359-100717954	E74359-249671	
Features	Good Adhesion		
Uses	Film		
	Labels		
	Packaging		
	Printing Sheet		
	Solar Panels		
Appearance	Clear/Transparent		
Forms	Film		
Physical	Nominal Value	Unit	Test Method
Molding Shrinkage			Internal Method
Flow : 150°C, 30 min, 0.0230 mm	1.3	%	
Flow : 150°C, 30 min, 0.0355 mm	1.3	%	
Across Flow : 150°C, 30 min, 0.0230 mm	0.10	%	
Across Flow : 150°C, 30 min, 0.0355 mm	0.0	%	
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	0.40		
vs. Itself - Static ⁴	0.40		
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD : Yield, 23 µm	241	MPa	
MD : Yield, 36 µm	228	MPa	
TD : Yield, 23 µm	248	MPa	
TD : Yield, 36 µm	228	MPa	
Tensile Elongation			ASTM D882
MD : Break, 23 µm	160	%	
MD : Break, 36 µm	150	%	
TD : Break, 23 µm	130	%	

TD : Break, 36 μm	130	%	
Optical	Nominal Value	Unit	Test Method
Gardner Gloss			ASTM D523
23.0 μm	184		
35.5 μm	187		
Transmittance			ASTM D1003
23.0 μm	90.0	%	
35.5 μm	90.0	%	
Haze			ASTM D1003
23.0 μm	0.90	%	
35.5 μm	1.0	%	
NOTE			
1.	23 μm		
2.	35.5 μm		
3.	23 μm		
4.	35.5 μm		

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