

Skyrol® SH22

Polyethylene Terephthalate

SKC Inc.

Message:

Skyrol® SH22 is an optically clear and both side chemically treated PET film. SH22 provides an enhanced adhesion to coating layer, inks and various adhesives. SH22 is available in the thickness range from 92 up to 144 gauge.

Application: label, solar control, high grade packaging, printing, etc.

Various solvents (toluene, MEK, EA, etc.) and environmental (aging, boiling, etc.) resistance properties are excellent.

General Information			
UL YellowCard	E74359-100717954	E74359-249671	
Features	Good Adhesion		
	Solvent Resistant		
Uses	Film		
	Labels		
	Packaging		
	Printing Sheet		
	Solar Panels		
Appearance	Clear/Transparent		
Forms	Film		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.40	g/cm³	ASTM D1505
Molding Shrinkage			Internal Method
Flow : 150°C, 30 min, 0.0230 mm	1.4	%	
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 ²	0.40		
vs. Itself - Dynamic ³	0.40		
vs. Itself - Static ⁴	0.40		
vs. Itself - Static ⁵	0.50		
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD : Yield,23 µm	248	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	186		
Transmittance			ASTM D1003
23.0 μm	91.0	%	
35.5 μm	90.0	%	
Haze			ASTM D1003
23.0 μm	0.90	%	
35.5 μm	1.0	%	
NOTE			
1.	23 μm		
2.	23 μm		
3.	35.5 μm		
4.	35.5 μm		
5.	23 μm		

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