

Skyrol® SH71S

Polyethylene Terephthalate

SKC Inc.

Message:

Skyrol® SH71S is an optically clear polyester film with high clarity, smooth surface, high gloss, and good dimensional stability. SH71S is slip-treated on one side for good handling characteristics.

General Information			
UL YellowCard	E74359-249675	E74359-249671	
Additive	Slip		
Features	Good Dimensional Stability		
	Good Processability		
	Good Surface Finish		
	High Clarity		
	High Gloss		
	Opticals		
	Slip		
	Uses	Film	
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, 0.100 mm	1.1	%	
Across Flow : 150°C, 30 min, 0.0500 mm	0.50	%	
Across Flow : 150°C, 30 min, 0.100 mm	0.60	%	
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	0.50		
vs. Itself - Static ⁵	0.40		
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	234	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	120	%	
TD : Break, 100 μm	130	%	
Optical	Nominal Value	Unit	Test Method
Gardner Gloss			ASTM D523
50.0 μm	191		
100 μm	187		
Transmittance			ASTM D1003
50.0 μm	89.0	%	
100 μm	89.0	%	
Haze			ASTM D1003
50.0 μm	0.80	%	
100 μm	1.1	%	
NOTE			
1.	50 μm		
2.	50 μm		
3.	100 μm		
4.	50 μm		
5.	100 μm		

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