



Skyrol® Polyester Film



www.smpcorps.com

SH71S/72S

Product Information

◆ Product Description

Skyrol® SH71S/72S is an optically clear polyester film with high clarity, smooth surface, high gloss, and good dimensional stability.

SH71S /72S is slip-treated on one side/both side for good handling characteristics. SH71S/72S is in accordance with the Preservation Directorate of the Library of Congress, and has been certified for use in archiving applications.

◆ Typical Properties

Property	Unit	Value						Test Method	
General									
Nominal Thickness	Gauge (micron)	200 (50)	300 (75)	400 (100)	500 (125)	700 (175)	1000 (250)	SKC Method	
Density	g/cm ³	1.4	1.4	1.4	1.4	1.4	1.4	ASTM D1505	
Yield	inch ² /lb	10,000	6,600	5,000	4,000	2,800	2,000		
Mechanical									
Tensile Strength	kpsi	MD	30	28	28	28	26	24	ASTM D882
		TD	34	33	31	30	28	28	
Elongation at Break	%	MD	162	140	174.8	140	150	160	ASTM D882
		TD	124	100	124.9	100	100	100	
Surface									
Friction Coefficient	Kinetic		0.40	0.45	0.41	0.45	0.45	N/A	ASTM D1894
		Static	0.50	0.48	0.40	0.48	0.48	N/A	
Optical									
Haze	%	0.8	1.0	1.1	1.5	2.2	3.8	ASTM D1003	
Light Transmission	%	89	93	89	93	93	93	ASTM D1003	
Gloss		191	185	187	185	185	200	ASTM D523	
Thermal									
Heat Shrinkage	%	MD	1.2	1.3	1.1	1.3	1.4	1.2	SKC Method (150 °C x 30 min)
		TD	0.5	0.5	0.6	0.5	0.4	0.4	

Unit Correlation: Gauge = $\mu\text{m} \div 0.254$, psi = $\text{Kg}/\text{mm}^2 \times 1422.3$, $\text{N}/\text{mm}^2 = \times 9.8$

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This information is the best currently available on the subject. The results should, however, only be regarded as a general guide to material properties and not as a guarantee. Some of the properties can be changed as a result of supplier's effort to improve the quality or production efficiency on the subject.