



Skyrol® Polyester Film



www.smpcorps.com

SH81/82

◆ Product Description

Skyrol® SH81/82 are an optically very clear, glossy polyester film. SH81 is one side pretreated and SH82 is both side pretreated for adhesion promotion. SH81/82 were developed for use as substrate for printing labels, color proofing, masking, inkjet printing, overhead projection transparencies, engineering drawing, drafting, etc. It is available in thicknesses from 200 to 1000 gauge.

◆ 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							ASTM D882
	MD	30	28	26	28	27	24	
Elongation at Break	%							ASTM D882
	MD	160	170	180	190	215	215	
	TD	130	140	140	120	140	140	
Surface								
Friction Coefficient	Kinetic	0.4	0.4	0.4	0.4	0.4	0.5	ASTM D1894
	Static	0.5	0.5	0.5	0.5	0.5	0.4	
Optical								
Haze	%	0.8	1.0	1.3	1.3	2.4	2.9	ASTM D1003
Light Transmission	%	90	90	90	89	89	93	ASTM D1003
Gloss		190	190	185	185	190	185	ASTM D523
Thermal								
Heat Shrinkage	%							SKC Method (150 °C x 30 min)
	MD	1.2	1.1	1.0	1.0	1.2	1.4	
	TD	0.5	0.5	0.5	0.5	0.1	0.5	

Unit Correlation: Gauge = μm ÷ 0.254, psi = Kg/mm² x 1422.3, N/mm² = x 9.8

SKCA-TPS-E-8

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.