



SH37/SH38

Product Information

◆ Product Description

Skyrol® SH37/SH38 is an optically super clear polyester film pretreated for improved ink adhesion, smooth surface, high gloss, good dimensional stability, flatness and good handling characteristics. Its applications are labels, solar control, high grade packaging, printing, etc. SH37 is an one side coated product and SH38 is a both side coated product.

◆ Typical Properties

Property	Unit	Value							Test Method	
General										
Nominal Thickness	Gauge	92	200	300	400	500	700	1000	SKC Method	
	(μm)	(23)	(50)	(75)	(100)	(125)	(175)	(250)		
Density	g/cm ³	1.4	1.4	1.4	1.4	1.4	1.4	1.4	ASTM D1505	
Yield	inch ² /lb	21,800	10,000	6,600	5,000	4,000	2,800	2,000		
Mechanical										
Tensile at Strength	kpsi	MD	40	30	29	28	28	27	24	ASTM D 882
		TD	40	33	33	33	36	28	30	
Elongation at Break	%	MD	160	160	180	182	190	210	140	ASTM D 882
		TD	110	130	130	130	110	140	100	
Optical										
Haze	%	0.3	0.4	0.5	0.5	0.5	1.0	1.2	ASTM D 1003	
Light Transmission	%	90	90	90	89	90	90	90	ASTM D 1003	
Gloss	%	190	195	190	195	188	190	180	ASTM D 523	
Thermal										
Heat Shrinkage	%	MD	1.4	1.2	1.2	1.2	1.0	1.2	1.5	SKC Method (150°C x 30 min)
		TD	0.2	0.5	0.5	0.8	0.5	0.5	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.