

AH82L Heat Stabilized

Product Information

◆ Product Description

Skyrol® AH82L is an optically clear, glossy film with adhesion promoting pretreatment on both sides. AH82L provides good adhesion to various inks. AH82L also provides very low heat-shrinkage (heat stabilized) and is ideal for RFID tag substrates, membrane touch switch materials and other similar applications.

◆ Typical Properties

Property	Unit	Value						Test Method
General								
Nominal Thickness	Gauge (μm) g/cm ³	200 (50) 1.4	300 (75) 1.4	400 (100) 1.4	500 (125) 1.4	700 (175) 1.4	1000 (250) 1.4	SKC Method ASTM D1505
Density	inch ² /lb	10,000	6,600	5,000	4,000	2,800	2,000	
Mechanical								
Tensile at Strength	kpsi	MD TD	31 33	30 33	30 33	30 33	30 32	ASTM D 882
Elongation at Break	%	MD TD	140 100	140 100	140 100	140 100	200 130	220 130
Surface								
Friction Coefficient	Kinetic Static	0.43 0.47	0.43 0.47	0.43 0.47	0.43 0.47	0.43 0.47	0.43 0.47	ASTM D 1894
Optical								
Haze	%	1.0	1.2	1.4	1.5	2.0	2.5	ASTM D 1003
Light Transmission	%	90	90	94	90	89	85	ASTM D 1003
Gloss	%	185	185	185	185	185	180	ASTM D 523
Barrier								
W.V.T.R. (100°F/90%RH)	(g/100in ² / 24 hrs)	0.85	0.45	0.35	0.26	0.19	0.12	ASTM F372
Electrical								
Dielectric Constant	(73°F)	Ohm-cm	3.0 ~ 3.25 10^{17}	ASTM D150				
Volume Resistivity	(73°F/80% RH)	Ohm-sq	10^{12}	10^{12}	10^{12}	10^{12}	10^{12}	ASTM D257
Surface Resistivity								ASTM D257
Thermal			150°C x 30min					
Heat Shrinkage	%	MD TD	0.2 0.2	0.2 0.2	0.2 0.2	0.2 0.2	0.2 0.2	SKC Method

Unit Correlation: Gauge = $\mu\text{m} \div 0.254$, psi = $\text{Kg/mm}^2 \times 1422.3$, N/mm² = $\times 9.8$

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.

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