



SH82

Product Information

I Product Description

"Skyrol.[®] SH82 is an optically very clear, glossy film, with the ink/coating adhesion promotion pretreatment on both sides. This grade has been developed for use as a substrate for printing. Label, colour proofing, masking, overhead transparencies, engineering, drafting etc. This grade is available in the thickness range from 50 to 250 microns.

I Typical Properties

Property	Unit	Value	Test Method
General			
Nominal Thickness	Gauge (μm)	400 100	SKC Method
W.V.T.R.	$\text{g/m}^2 \cdot 24 \text{ hr}$	N/A	ASTM F 372
Oxygen Permeability	$\text{cm}^3/\text{m}^2 \cdot 24 \text{ hr} \cdot \text{Atm}$	N/A	ASTM D 1434
Density	g/cm^3	1.4	ASTM D 1505
Mechanical			
Tensile Strength	psi	MD 21	ASTM D 882
	(Kg/mm^2)	TD 24	
Elongation At Break	%	MD 200	ASTM D 882
		TD 120	
Friction Coefficient		μk 0.4	ASTM D 1894
		μs 0.5	
Surface Roughness	μm	Ra 0.013	DIN 4768
		Rz 0.12	
		Rmax 0.25	
Optical			
Haze	%	1.4	ASTM D 1003
Light Transmission	%	93	ASTM D 1003
Gloss	%	200	ASTM D 523
Thermal			
Heat Shrinkage	%	MD 1.4	SKC Method (150°C x 30 min)
		TD 0.5	

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

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 efforts to improve the quality or production efficiency of the subject.

I UK Agent, Distributor and Stockist for SKC

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