Skyrol® Polyester Film

SR53

Product Information

● Product Description

*Skyrol® **SR53** is an untreated, rough-surface, milky white and hazy polyester film. **SR53** has excellent mechanical and dielectric strength, durability, dimensional stability, low water absorption, and good resistance to most chemicals. **SR53** retains these properties over a wide range of temperature and humidity. **SR53** film is UL Flammability Rated at VTM-2.*

● Typical Properties

Property	Unit		Value									Test Method
General												
Nominal Thickness	Gauge (㎛)		**500 (125)**	**700 (175)**								SKC Method
Mechanical												
Tensile Strength	Kpsi	MD	26.0	20.0								ASTM D882
		TD	29.0	26.0								
Elongation At Break	%	MD	190	250								ASTM D882
		TD	150	150								
Young's Modulus	Kpsi	MD	475	425								ASTM D882
		TD	525	500								
Optical												
Haze	%		50	70								ASTM D1003
Gloss	%		110.0	105.0								ASTM D523
Electrical												
Dielectric Strength	kV		16	18								ASTM D149 (60 Hz, AC)
	%											ASTM D 1003
Thermal												
Heat Shrinkage	%	MD	1.2	1.1								SKC Method (150°C×30 min)
		TD	1.0	0.9								

* Unit Correlation : N/mm^2 = Kg/mm^2 x 9.8

Kg/mm^2 = Kpi / 1.4223

SKCA-A-13

SR53 (500ga)

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● Typical Properties

Property	Unit		Value	Test Method
General				
Nominal Thickness	(Gauge) μm		**500** **(125)**	SKC Method
Mechanical				
Tensile Strength	psi (Kg/mm^2)	MD TD	26,000 (18) 29,000 (20)	ASTM D 882
Elongation At Break	%	MD TD	190 150	ASTM D 882
Young's Modulus	Kpsi (Kg/mm^2)	MD TD	475 (335) 525 (370)	ASTM D 882
Optical				
Haze	%		50	ASTM D 1003
Gloss	%		110	ASTM D 523
Electrical				
Dielectric Strength	kV		16	ASTM D149 (60 Hz, AC)
Thermal				
Heat Shrinkage	%	MD TD	1.2 1.0	SKC Method (150°C×30 min)

Unit Correlation : N/mm^2 = Kg/mm^2 × 9.8
Kg/mm^2 = psi / 1422.3

SKCA-A-13

SR53 (700ga)

Product Information

● Product Description

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● Typical Properties

Property	Unit		Value	Test Method
General				
Nominal Thickness	(Gauge) μm		**700** **(175)**	SKC Method
Mechanical				
Tensile Strength	psi (Kg/mm^2)	MD TD	20,000 (14) 26,000 (18)	ASTM D 882
Elongation At Break	%	MD TD	250 150	ASTM D 882
Young's Modulus	Kpsi (Kg/mm^2)	MD TD	425 (300) 500 (350)	ASTM D 882
Optical				
Haze	%		70	ASTM D 1003
Gloss	%		105	ASTM D 523
Electrical				
Dielectric Strength	kV		18	ASTM D149 (60 Hz, AC)
Thermal				
Heat Shrinkage	%	MD TD	1.1 0.9	SKC Method (150°C×30 min)

Unit Correlation : N/mm^2 = Kg/mm^2 × 9.8
Kg/mm^2 = psi / 1422.3

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