



Skyrol® Polyester Film



1-888-CURBELL

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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 (μm)	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°Cx30 min)
	TD	1.0	0.9							

* Unit Correlation : N/mm² = Kg/mm² x 9.8
Kg/mm² = Kpi / 1.4223

SKCA-A-13

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.

Note: Please read the Material Safety Data Sheet(MSDS) carefully prior to use.



SR53 (500ga)

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) µm	500 (125)	SKC Method
Mechanical			
Tensile Strength	psi MD (Kg/mm ²) TD	26,000 (18) 29,000 (20)	ASTM D 882
Elongation At Break	% MD TD	190 150	ASTM D 882
Young's Modulus	Kpsi MD (Kg/mm ²) 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°Cx30 min)

Unit Correlation : N/mm² = Kg/mm² × 9.8
Kg/mm² = psi / 1422.3

SKCA-A-13

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SR53 (700ga)

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) µm	700 (175)	SKC Method
Mechanical			
Tensile Strength	psi MD (Kg/mm ²) TD	20,000 (14) 26,000 (18)	ASTM D 882
Elongation At Break	% MD TD	250 150	ASTM D 882
Young's Modulus	Kpsi MD (Kg/mm ²) 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°Cx30 min)

Unit Correlation : N/mm² = Kg/mm² × 9.8
Kg/mm² = psi / 1422.3

SKCA-A-13

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