



Skyrol® Polyester Film

SW84G

Product Information

● Product Description

Skyrol® SW84G white opaque polyester film with an adhesion promoting chemical treatment on both sides. It provides enhanced adhesion to coatings, inks and adhesives. SW84G is available in a wide range of thickness from 92ga to 1000ga. SW84G film is FDA approved for direct food contact in compliance with FDA 21 CFR 177.1630 (f).

● Typical Properties

Property	Unit	Value						Test Method
General								
Nominal Thickness	Gauge (μm)	92 (23)	142 (36)	200 (50)	300 (75)			SKC Method
Density	g/cm ³	1.5	1.5	1.5	1.5			
Mechanical								
Tensile Strength	Kpsi	MD	23.5	23.0	22.5	22.0		ASTM D882
		TD	30.0	29.5	29.0	28.0		
Elongation At Break	%	MD	130	130	130	130		ASTM D882
		TD	75	75	80	90		
Surface								
Coefficient of Friction	μk (Kinetic)	0.30	0.30	0.30	0.30			ASTM D1894
	μs (Static)	0.39	0.39	0.39	0.38			
Optical								
Whiteness		121	121	121	121			ASTM E313
Light Transmission	%	30	25	16	12			ASTM D1003
Gloss	%	60	60	60	60			ASTM D523 ASTM D 1003
Thermal								
Heat Shrinkage	%	MD	1.5	1.5	1.5	1.5		SKC Method (150°Cx30 min)
		TD	0.6	0.6	0.6	0.4		

* 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.

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

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Skyrol® Polyester Film

SW84G

Product Information

● Product Description

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● Typical Properties

Property	Unit	Value									Test Method
General											
Nominal Thickness	Gauge (μm)	400 (100)	500 (125)	600 (150)	700 (175)	750 (188)	945 (240)	1000 (250)			SKC Method
Density	g/cm ³	1.5	1.5	1.5	1.5	1.5	1.5	1.5			
Mechanical											
Tensile Strength	Kpsi	MD	22.0	22.0	21.0	21.0	20.0	19.0	18.5		ASTM D882
		TD	27.0	26.0	24.0	23.0	22.0	21.0	20.5		
Elongation At Break	%	MD	170	175	175	175	175	175	175		ASTM D882
		TD	115	115	115	115	115	115	115		
Surface											
Coefficient of Friction	μk (Kinetic)	0.30	0.30	0.30	0.30	0.30	0.30	0.30		ASTM D1894	
	μs (Static)	0.38	0.38	0.38	0.38	0.37	0.37	0.37			
Optical											
Whiteness		117	117	116	115	115	115	115		ASTM E313	
Light Transmission	%	10	8	7	4	4	3	3		ASTM D1003	
Gloss	%	60	60	60	60	60	55	55		ASTM D523 ASTM D 1003	
Thermal											
Heat Shrinkage	%	MD	1.4	1.2	1.1	1.1	1.1	1.1	1.1		SKC Method (150°Cx30 min)
		TD	0.4	0.4	0.4	0.4	0.3	0.3	0.3		

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

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

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SW84G (92ga)

Product Information

● Product Description

Skyrol® SW84G white opaque polyester film with an adhesion promoting chemical treatment on both sides. It provides enhanced adhesion to coatings, inks and adhesives. SW84G is available in a wide range of thickness from 92ga to 1000ga. SW84G film is FDA approved for direct food contact in compliance with FDA 21 CFR 177.1630 (f).

● Typical Properties

Property	Unit	Value	Test Method
General			
Nominal Thickness	(Gauge) µm	92 (23)	SKC Method
Density	g/cm ³	1.5	
Mechanical			
Tensile Strength	psi MD (Kg/mm ²) TD	23,500 (17) 30,000 (21)	ASTM D 882
Elongation At Break	% MD TD	130 75	ASTM D 882
Surface			
Coefficient of Friction	µk (Kinetic) µs (Static)	0.30 0.39	ASTM D1894
Optical			
Whiteness		121	ASTM E 313
Light Transmission	%	30	ASTM D 1003
Gloss	%	60	ASTM D 523
Thermal			
Heat Shrinkage	% MD TD	1.5 0.6	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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SW84G (142ga)

Product Information

● Product Description

Skyrol® SW84G white opaque polyester film with an adhesion promoting chemical treatment on both sides. It provides enhanced adhesion to coatings, inks and adhesives. SW84G is available in a wide range of thickness from 92ga to 1000ga. SW84G film is FDA approved for direct food contact in compliance with FDA 21 CFR 177.1630 (f).

● Typical Properties

Property	Unit	Value	Test Method
General			
Nominal Thickness	(Gauge) µm	142 (36)	SKC Method
Density	g/cm ³	1.5	
Mechanical			
Tensile Strength	psi MD (Kg/mm ²) TD	23,000 (16) 29,500 (21)	ASTM D 882
Elongation At Break	% MD TD	130 75	ASTM D 882
Surface			
Coefficient of Friction	µk (Kinetic) µs (Static)	0.30 0.39	ASTM D1894
Optical			
Whiteness		121	ASTM E 313
Light Transmission	%	25	ASTM D 1003
Gloss	%	60	ASTM D 523
Thermal			
Heat Shrinkage	% MD TD	1.5 0.6	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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SW84G (200ga)

Product Information

● Product Description

Skyrol® SW84G white opaque polyester film with an adhesion promoting chemical treatment on both sides. It provides enhanced adhesion to coatings, inks and adhesives. SW84G is available in a wide range of thickness from 92ga to 1000ga. SW84G film is FDA approved for direct food contact in compliance with FDA 21 CFR 177.1630 (f).

● Typical Properties

Property	Unit	Value	Test Method
General			
Nominal Thickness	(Gauge) µm	200 (50)	SKC Method
Density	g/cm ³	1.5	
Mechanical			
Tensile Strength	psi MD (Kg/mm ²) TD	22,500 (16) 29,000 (20)	ASTM D 882
Elongation At Break	% MD TD	130 80	ASTM D 882
Surface			
Coefficient of Friction	µk (Kinetic) µs (Static)	0.30 0.39	ASTM D1894
Optical			
Whiteness		121	ASTM E 313
Light Transmission	%	16	ASTM D 1003
Gloss	%	60	ASTM D 523
Thermal			
Heat Shrinkage	% MD TD	1.5 0.6	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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SW84G (300ga)

Product Information

● Product Description

Skyrol® SW84G white opaque polyester film with an adhesion promoting chemical treatment on both sides. It provides enhanced adhesion to coatings, inks and adhesives. SW84G is available in a wide range of thickness from 92ga to 1000ga. SW84G film is FDA approved for direct food contact in compliance with FDA 21 CFR 177.1630 (f).

● Typical Properties

Property	Unit	Value	Test Method
General			
Nominal Thickness	(Gauge) µm	300 (75)	SKC Method
Density	g/cm ³	1.5	
Mechanical			
Tensile Strength	psi MD (Kg/mm ²) TD	22,000 (16) 28,000 (20)	ASTM D 882
Elongation At Break	% MD TD	130 90	ASTM D 882
Surface			
Coefficient of Friction	µk (Kinetic) µs (Static)	0.30 0.38	ASTM D1894
Optical			
Whiteness		121	ASTM E 313
Light Transmission	%	12	ASTM D 1003
Gloss	%	60	ASTM D 523
Thermal			
Heat Shrinkage	% MD TD	1.5 0.4	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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Note: Please read the Material Safty Data Sheet(MSDS) carefully prior to use.

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SW84G (400ga)

Product Information

● Product Description

Skyrol® SW84G white opaque polyester film with an adhesion promoting chemical treatment on both sides. It provides enhanced adhesion to coatings, inks and adhesives. SW84G is available in a wide range of thickness from 92ga to 1000ga. SW84G film is FDA approved for direct food contact in compliance with FDA 21 CFR 177.1630 (f).

● Typical Properties

Property	Unit	Value	Test Method
General			
Nominal Thickness	(Gauge) µm	400 (100)	SKC Method
Density	g/cm ³	1.5	
Mechanical			
Tensile Strength	psi MD (Kg/mm ²) TD	22,000 (16) 27,000 (19)	ASTM D 882
Elongation At Break	% MD TD	170 115	ASTM D 882
Surface			
Coefficient of Friction	µk (Kinetic) µs (Static)	0.30 0.38	ASTM D1894
Optical			
Whiteness		117	ASTM E 313
Light Transmission	%	10	ASTM D 1003
Gloss	%	60	ASTM D 523
Thermal			
Heat Shrinkage	% MD TD	1.4 0.4	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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SW84G (500ga)

Product Information

● Product Description

Skyrol® SW84G white opaque polyester film with an adhesion promoting chemical treatment on both sides. It provides enhanced adhesion to coatings, inks and adhesives. SW84G is available in a wide range of thickness from 92ga to 1000ga. SW84G film is FDA approved for direct food contact in compliance with FDA 21 CFR 177.1630 (f).

● Typical Properties

Property	Unit	Value	Test Method
General			
Nominal Thickness	(Gauge) µm	500 (125)	SKC Method
Density	g/cm ³	1.5	
Mechanical			
Tensile Strength	psi MD (Kg/mm ²) TD	22,000 (16) 26,000 (18)	ASTM D 882
Elongation At Break	% MD TD	175 115	ASTM D 882
Surface			
Coefficient of Friction	µk (Kinetic) µs (Static)	0.30 0.38	ASTM D1894
Optical			
Whiteness		117	ASTM E 313
Light Transmission	%	8	ASTM D 1003
Gloss	%	60	ASTM D 523
Thermal			
Heat Shrinkage	% MD TD	1.2 0.4	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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SW84G (600ga)

Product Information

● Product Description

Skyrol® SW84G white opaque polyester film with an adhesion promoting chemical treatment on both sides. It provides enhanced adhesion to coatings, inks and adhesives. SW84G is available in a wide range of thickness from 92ga to 1000ga. SW84G film is FDA approved for direct food contact in compliance with FDA 21 CFR 177.1630 (f).

● Typical Properties

Property	Unit	Value	Test Method
General			
Nominal Thickness	(Gauge) µm	600 (150)	SKC Method
Density	g/cm ³	1.5	
Mechanical			
Tensile Strength	psi MD (Kg/mm ²) TD	21,000 (15) 24,000 (17)	ASTM D 882
Elongation At Break	% MD TD	175 115	ASTM D 882
Surface			
Coefficient of Friction	µk (Kinetic) µs (Static)	0.30 0.38	ASTM D1894
Optical			
Whiteness		116	ASTM E 313
Light Transmission	%	7	ASTM D 1003
Gloss	%	60	ASTM D 523
Thermal			
Heat Shrinkage	% MD TD	1.1 0.4	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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SW84G (700ga)

Product Information

● Product Description

Skyrol® SW84G white opaque polyester film with an adhesion promoting chemical treatment on both sides. It provides enhanced adhesion to coatings, inks and adhesives. SW84G is available in a wide range of thickness from 92ga to 1000ga. SW84G film is FDA approved for direct food contact in compliance with FDA 21 CFR 177.1630 (f).

● Typical Properties

Property	Unit	Value	Test Method
General			
Nominal Thickness	(Gauge) µm	700 (175)	SKC Method
Density	g/cm ³	1.5	
Mechanical			
Tensile Strength	psi MD (Kg/mm ²) TD	21,000 (15) 23,000 (16)	ASTM D 882
Elongation At Break	% MD TD	175 115	ASTM D 882
Surface			
Coefficient of Friction	µk (Kinetic) µs (Static)	0.30 0.38	ASTM D1894
Optical			
Whiteness		115	ASTM E 313
Light Transmission	%	4	ASTM D 1003
Gloss	%	60	ASTM D 523
Thermal			
Heat Shrinkage	% MD TD	1.1 0.4	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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SW84G (750ga)

Product Information

● Product Description

Skyrol® SW84G white opaque polyester film with an adhesion promoting chemical treatment on both sides. It provides enhanced adhesion to coatings, inks and adhesives. SW84G is available in a wide range of thickness from 92ga to 1000ga. SW84G film is FDA approved for direct food contact in compliance with FDA 21 CFR 177.1630 (f).

● Typical Properties

Property	Unit	Value	Test Method
General			
Nominal Thickness	(Gauge) µm	750 (188)	SKC Method
Density	g/cm ³	1.5	
Mechanical			
Tensile Strength	psi MD (Kg/mm ²) TD	20,000 (14) 22,000 (15)	ASTM D 882
Elongation At Break	% MD TD	175 115	ASTM D 882
Surface			
Coefficient of Friction	µk (Kinetic) µs (Static)	0.30 0.37	ASTM D1894
Optical			
Whiteness		115	ASTM E 313
Light Transmission	%	4	ASTM D 1003
Gloss	%	60	ASTM D 523
Thermal			
Heat Shrinkage	% MD TD	1.1 0.3	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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SW84G (945ga)

Product Information

● Product Description

Skyrol® SW84G white opaque polyester film with an adhesion promoting chemical treatment on both sides. It provides enhanced adhesion to coatings, inks and adhesives. SW84G is available in a wide range of thickness from 92ga to 1000ga. SW84G film is FDA approved for direct food contact in compliance with FDA 21 CFR 177.1630 (f).

● Typical Properties

Property	Unit	Value	Test Method
General			
Nominal Thickness	(Gauge) µm	945 (240)	SKC Method
Density	g/cm ³	1.5	
Mechanical			
Tensile Strength	psi MD (Kg/mm ²) TD	19,000 (13) 21,000 (15)	ASTM D 882
Elongation At Break	% MD TD	175 115	ASTM D 882
Surface			
Coefficient of Friction	µk (Kinetic) µs (Static)	0.30 0.37	ASTM D1894
Optical			
Whiteness		115	ASTM E 313
Light Transmission	%	3	ASTM D 1003
Gloss	%	60	ASTM D 523
Thermal			
Heat Shrinkage	% MD TD	1.1 0.3	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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SW84G (1000ga)

Product Information

● Product Description

Skyrol® SW84G white opaque polyester film with an adhesion promoting chemical treatment on both sides. It provides enhanced adhesion to coatings, inks and adhesives. SW84G is available in a wide range of thickness from 92ga to 1000ga. SW84G film is FDA approved for direct food contact in compliance with FDA 21 CFR 177.1630 (f).

● Typical Properties

Property	Unit	Value	Test Method
General			
Nominal Thickness	(Gauge) µm	1000 (250)	SKC Method
Density	g/cm ³	1.5	
Mechanical			
Tensile Strength	psi MD (Kg/mm ²) TD	18,500 (13) 20,500 (14)	ASTM D 882
Elongation At Break	% MD TD	175 115	ASTM D 882
Surface			
Coefficient of Friction	µk (Kinetic) µs (Static)	0.30 0.37	ASTM D1894
Optical			
Whiteness		115	ASTM E 313
Light Transmission	%	3	ASTM D 1003
Gloss	%	60	ASTM D 523
Thermal			
Heat Shrinkage	% MD TD	1.1 0.3	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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