SG00

Product Information

● Product Description

*Skyrol® **SG00** is an untreated slightly rough-surfaced and hazy polyester film to enhance handling and runnability. **SG00** is available in a wide range of thickness from 60ga to 1000ga and is extensively used for drafting, release sheet, lamination, protection, collar stay. dust cap and general purpose applications. **SG00** 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 (㎛)		**60 (15)**	**75 (19)**	**92 (23)**	**142 (36)**						SKC Method
Mechanical												
Tensile Strength	Kpsi	MD	43.0	40.0	35.0	33.0						ASTM D882
		TD	40.0	38.0	37.5	34.5						
Elongation At Break	%	MD	125	130	140	150						ASTM D882
		TD	110	115	120	120						
Surface												
Coefficient of Friction	μk (Kinetic)		0.32	0.32	0.32	0.32						ASTM D1894
	μs (Static)		0.37	0.37	0.37	0.37						
Surface Tension	Dyne		45	45	45	45						ASTM D2578
Optical												
Haze	%		3.2	3.5	3.8	4.8						ASTM D1003
Light Transmission	%		89.8	89.5	89.3	89.1						ASTM D1003
Gloss	%		161.0	160.5	160.5	157.5						ASTM D523
Thermal												
Heat Shrinkage	%	MD	1.7	1.7	1.6	1.5						SKC Method (150°C×30 min)
		TD	1.5	1.5	1.5	0.6						

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

Kg/mm^2 = Kpi / 1.4223

SKCA-E-10

SG00 (60ga)

Product Information

● Product Description

*Skyrol® **SG00** is a slightly rough-surfaced and hazy polyester film to enhance handling and runnability. **SG00** film is available in a wide range of thickness from 60ga up to 1000ga and is extensively used for drafting, release sheet, lamination, protection, collar stay, dust cap and general purpose applications.*

***SG00** 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		**60** **(15)**	SKC Method
Mechanical				
Tensile Strength	psi (Kg/mm^2)	MD TD	43,000 (30) 40,000 (28)	ASTM D 882
Elongation At Break	%	MD TD	125 110	ASTM D 882
Surface				
Coefficient of Friction	μk (Kinetic) μs (Static)		0.32 0.37	ASTM D1894
Surface Tension	Dyne		45	ASTM D 2578
Optical				
Haze	%		3.2	ASTM D 1003
Light Transmission	%		89.8	ASTM D 1003
Gloss	%		161	ASTM D 523
Thermal				
Heat Shrinkage	%	MD TD	1.7 1.5	SKC Method (150°C×30 min)

Unit Correlation : N/mm^2 = $Kg/mm^2 \times 9.8$

Kg/mm^2 = psi / 1422.3

SG00 (75ga)

Product Information

● Product Description

*Skyrol® **SG00** is a slightly rough-surfaced and hazy polyester film to enhance handling and runnability. **SG00** film is available in a wide range of thickness from 60ga up to 1000ga and is extensively used for drafting, release sheet, lamination, protection, collar stay, dust cap and general purpose applications.*

***SG00** 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	**75** **(19)**	SKC Method
Mechanical			
Tensile Strength	psi (Kg/mm^2) MD	40,000 (28)	ASTM D 882
	TD	38,000 (27)	
Elongation At Break	% MD	130	ASTM D 882
	TD	115	
Surface			
Coefficient of Friction	µk (Kinetic)	0.32	ASTM D1894
	µs (Static)	0.37	
Surface Tension	Dyne	45	ASTM D 2578
Optical			
Haze	%	3.5	ASTM D 1003
Light Transmission	%	89.5	ASTM D 1003
Gloss	%	160.5	ASTM D 523
Thermal			
Heat Shrinkage	% MD	1.7	SKC Method (150°C×30 min)
	TD	1.5	

Unit Correlation : N/mm^2 = $Kg/mm^2 \times 9.8$

Kg/mm^2 = psi / 1422.3

SKCA-E-10

SG00 (92ga)

Product Information

● Product Description

*Skyrol® **SG00** is a slightly rough-surfaced and hazy polyester film to enhance handling and runnability. **SG00** film is available in a wide range of thickness from 60ga up to 1000ga and is extensively used for drafting, release sheet, lamination, protection, collar stay, dust cap and general purpose applications.*

***SG00** 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
Mechanical			
Tensile Strength	psi MD (Kg/mm^2) TD	35,000 (25) 37,500 (26)	ASTM D 882
Elongation At Break	% MD TD	140 120	ASTM D 882
Surface			
Coefficient of Friction	μk (Kinetic) μs (Static)	0.32 0.37	ASTM D1894
Surface Tension	Dyne	45	ASTM D 2578
Optical			
Haze	%	3.8	ASTM D 1003
Light Transmission	%	89.3	ASTM D 1003
Gloss	%	160.5	ASTM D 523
Thermal			
Heat Shrinkage	% MD TD	1.6 1.5	SKC Method (150°C×30 min)

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

Kg/mm^2 = psi / 1422.3

SKCA-E-10

SG00 (142ga)

Product Information

● Product Description

*Skyrol® **SG00** is a slightly rough-surfaced and hazy polyester film to enhance handling and runnability. **SG00** film is available in a wide range of thickness from 60ga up to 1000ga and is extensively used for drafting, release sheet, lamination, protection, collar stay, dust cap and general purpose applications.*

***SG00** 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
Mechanical			
Tensile Strength	psi MD (Kg/mm^2) TD	33,000 (23) 34,500 (24)	ASTM D 882
Elongation At Break	% MD TD	150 120	ASTM D 882
Surface			
Coefficient of Friction	μk (Kinetic) μs (Static)	0.32 0.37	ASTM D1894
Surface Tension	Dyne	45	ASTM D 2578
Optical			
Haze	%	4.8	ASTM D 1003
Light Transmission	%	89.1	ASTM D 1003
Gloss	%	157.5	ASTM D 523
Thermal			
Heat Shrinkage	% MD TD	1.5 0.6	SKC Method (150°C×30 min)

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

Kg/mm^2 = psi / 1422.3

SKCA-E-10

Skyrol® Polyester Film

SG00

Product Information

● Product Description

*Skyrol® **SG00** is an untreated slightly rough-surfaced and hazy polyester film to enhance handling and runnability. **SG00** is available in a wide range of thickness from 60ga to 1000ga and is extensively used for drafting, release sheet, lamination, protection, collar stay. dust cap and general purpose applications. **SG00** 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 (㎛)		200 (50)	275 (70)	300 (75)	380 (96.5)	400 (100)	500 (125)	600 (150)	700 (175)	1000 (250)	SKC Method
Mechanical												
Tensile Strength	Kpsi	MD	29.5	28.0	27.5	27.0	26.5	26.0	25.0	24.0	24.5	ASTM D882
		TD	31.5	31.0	30.0	28.5	28.0	28.0	26.0	25.0	23.0	
Elongation At Break	%	MD	165	170	175	180	185	190	210	215	250	ASTM D882
		TD	120	120	120	120	120	130	155	160	180	
Surface												
Coefficient of Friction	μk (Kinetic)		0.32	0.33	0.33	0.33	0.33	0.34	0.34	0.34	0.34	ASTM D1894
	μs (Static)		0.37	0.38	0.38	0.38	0.38	0.39	0.39	0.39	0.39	
Surface Tension	Dyne		45	45	45	45	45	45	45	45	45	ASTM D2578
Optical												
Haze	%		6.0	8.0	8.5	10.0	10.5	12.0	14.0	18.0	25.0	ASTM D1003
Light Transmission	%		88.7	88.5	88.4	88.0	87.9	87.8	87.4	87.0	86.0	ASTM D1003
Gloss	%		157.0	154.0	153.5	153.0	152.5	150.0	147.5	145.0	135.0	ASTM D523
Thermal												
Heat Shrinkage	%	MD	2.5	3.0	3.0	3.0	2.8	2.7	2.5	2.3	2.3	SKC Method
		TD	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	(190°C×20 min)

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

Kg/mm^2 = Kpi / 1.4223

SKCA-E-10

SG00 (200ga)

Product Information

● Product Description

*Skyrol® **SG00** is a slightly rough-surfaced and hazy polyester film to enhance handling and runnability. **SG00** film is available in a wide range of thickness from 60ga up to 1000ga and is extensively used for drafting, release sheet, lamination, protection, collar stay, dust cap and general purpose applications.*
***SG00** 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
Mechanical			
Tensile Strength	psi (Kg/mm^2) MD TD	29,500 (21) 31,500 (22)	ASTM D 882
Elongation At Break	% MD TD	165 120	ASTM D 882
Surface			
Coefficient of Friction	μk (Kinetic) μs (Static)	0.32 0.37	ASTM D1894
Surface Tension	Dyne	45	ASTM D 2578
Optical			
Haze	%	6.0	ASTM D 1003
Light Transmission	%	88.7	ASTM D 1003
Gloss	%	157	ASTM D 523
Thermal			
Heat Shrinkage	% MD TD	2.5 0.8	SKC Method (190°C×20 min)

Unit Correlation : N/mm^2 = $Kg/mm^2 \times 9.8$
Kg/mm^2 = psi / 1422.3

SKCA-E-10

SG00 (275ga)

Product Information

● Product Description

*Skyrol® **SG00** is a slightly rough-surfaced and hazy polyester film to enhance handling and runnability. **SG00** film is available in a wide range of thickness from 60ga up to 1000ga and is extensively used for drafting, release sheet, lamination, protection, collar stay, dust cap and general purpose applications.*

***SG00** 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		**275** **(70)**	SKC Method
Mechanical				
Tensile Strength	psi (Kg/mm^2)	MD TD	28,000 (20) 31,000 (22)	ASTM D 882
Elongation At Break	%	MD TD	170 120	ASTM D 882
Surface				
Coefficient of Friction	μk (Kinetic) μs (Static)		0.33 0.38	ASTM D1894
Surface Tension	Dyne		45	ASTM D 2578
Optical				
Haze	%		8.0	ASTM D 1003
Light Transmission	%		88.5	ASTM D 1003
Gloss	%		154	ASTM D 523
Thermal				
Heat Shrinkage	%	MD TD	3.0 1.0	SKC Method (190°C×20 min)

Unit Correlation : N/mm^2 = $Kg/mm^2 \times 9.8$

Kg/mm^2 = psi / 1422.3

SKCA-E-10

SG00 (300ga)

Product Information

● Product Description

*Skyrol® **SG00** is a slightly rough-surfaced and hazy polyester film to enhance handling and runnability. **SG00** film is available in a wide range of thickness from 60ga up to 1000ga and is extensively used for drafting, release sheet, lamination, protection, collar stay, dust cap and general purpose applications.*

***SG00** 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
Mechanical				
Tensile Strength	psi (Kg/mm^2)	MD TD	27,500 (19) 30,000 (21)	ASTM D 882
Elongation At Break	%	MD TD	175 120	ASTM D 882
Surface				
Coefficient of Friction	μk (Kinetic) μs (Static)		0.33 0.38	ASTM D1894
Surface Tension	Dyne		45	ASTM D 2578
Optical				
Haze	%		8.5	ASTM D 1003
Light Transmission	%		88.4	ASTM D 1003
Gloss	%		153.5	ASTM D 523
Thermal				
Heat Shrinkage	%	MD TD	3.0 1.0	SKC Method (190°C×20 min)

Unit Correlation : N/mm^2 = $Kg/mm^2 \times 9.8$

Kg/mm^2 = psi / 1422.3

SG00 (380ga)

Product Information

● Product Description

*Skyrol® **SG00** is a slightly rough-surfaced and hazy polyester film to enhance handling and runnability. **SG00** film is available in a wide range of thickness from 60ga up to 1000ga and is extensively used for drafting, release sheet, lamination, protection, collar stay, dust cap and general purpose applications.*

***SG00** 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	**380** **(96.5)**	SKC Method
Mechanical			
Tensile Strength	psi (Kg/mm^2) MD	27,000 (19)	ASTM D 882
	TD	28,500 (20)	
Elongation At Break	% MD	180	ASTM D 882
	TD	120	
Surface			
Coefficient of Friction	μk (Kinetic)	0.33	ASTM D1894
	μs (Static)	0.38	
Surface Tension	Dyne	45	ASTM D 2578
Optical			
Haze	%	10.0	ASTM D 1003
Light Transmission	%	88	ASTM D 1003
Gloss	%	153	ASTM D 523
Thermal			
Heat Shrinkage	% MD	2.8	SKC Method
	TD	1.0	(190°C×20 min)

Unit Correlation : N/mm^2 = $Kg/mm^2 \times 9.8$

Kg/mm^2 = psi / 1422.3

SG00 (400ga)

Product Information

● Product Description

*Skyrol® **SG00** is a slightly rough-surfaced and hazy polyester film to enhance handling and runnability. **SG00** film is available in a wide range of thickness from 60ga up to 1000ga and is extensively used for drafting, release sheet, lamination, protection, collar stay, dust cap and general purpose applications.*

***SG00** 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
Mechanical				
Tensile Strength	psi (Kg/mm^2)	MD TD	26,500 (19) 28,000 (20)	ASTM D 882
Elongation At Break	%	MD TD	185 120	ASTM D 882
Surface				
Coefficient of Friction	μk (Kinetic) μs (Static)		0.33 0.38	ASTM D1894
Surface Tension	Dyne		45	ASTM D 2578
Optical				
Haze	%		10.5	ASTM D 1003
Light Transmission	%		87.9	ASTM D 1003
Gloss	%		152.5	ASTM D 523
Thermal				
Heat Shrinkage	%	MD TD	2.8 1.0	SKC Method (190°C×20 min)

Unit Correlation : N/mm^2 = $Kg/mm^2 \times 9.8$

Kg/mm^2 = psi / 1422.3

SG00 (500ga)

Product Information

● Product Description

*Skyrol® **SG00** is a slightly rough-surfaced and hazy polyester film to enhance handling and runnability. **SG00** film is available in a wide range of thickness from 60ga up to 1000ga and is extensively used for drafting, release sheet, lamination, protection, collar stay, dust cap and general purpose applications.*
***SG00** 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
Mechanical			
Tensile Strength	psi (Kg/mm^2) MD TD	26,000 (18) 28,000 (20)	ASTM D 882
Elongation At Break	% MD TD	190 130	ASTM D 882
Surface			
Coefficient of Friction	μk (Kinetic) μs (Static)	0.34 0.39	ASTM D1894
Surface Tension	Dyne	45	ASTM D 2578
Optical			
Haze	%	12.0	ASTM D 1003
Light Transmission	%	87.8	ASTM D 1003
Gloss	%	150	ASTM D 523
Thermal			
Heat Shrinkage	% MD TD	2.7 1.0	SKC Method (190°C×20 min)

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

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SG00 (600ga)

Product Information

● Product Description

*Skyrol® **SG00** is a slightly rough-surfaced and hazy polyester film to enhance handling and runnability. **SG00** film is available in a wide range of thickness from 60ga up to 1000ga and is extensively used for drafting, release sheet, lamination, protection, collar stay, dust cap and general purpose applications.*

***SG00** 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
Mechanical				
Tensile Strength	psi (Kg/mm^2)	MD TD	25,000 (18) 26,000 (18)	ASTM D 882
Elongation At Break	%	MD TD	210 155	ASTM D 882
Surface				
Coefficient of Friction	μk (Kinetic) μs (Static)		0.34 0.39	ASTM D1894
Surface Tension	Dyne		45	ASTM D 2578
Optical				
Haze	%		14.0	ASTM D 1003
Light Transmission	%		87.4	ASTM D 1003
Gloss	%		147.5	ASTM D 523
Thermal				
Heat Shrinkage	%	MD TD	2.3 1.0	SKC Method (190°C×20 min)

Unit Correlation : N/mm^2 = $Kg/mm^2 \times 9.8$

Kg/mm^2 = psi / 1422.3

SG00 (700ga)

Product Information

● Product Description

*Skyrol® **SG00** is a slightly rough-surfaced and hazy polyester film to enhance handling and runnability. **SG00** film is available in a wide range of thickness from 60ga up to 1000ga and is extensively used for drafting, release sheet, lamination, protection, collar stay, dust cap and general purpose applications.*

***SG00** 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
Mechanical			
Tensile Strength	psi MD (Kg/mm^2) TD	24,000 (17) 25,000 (18)	ASTM D 882
Elongation At Break	% MD TD	215 160	ASTM D 882
Surface			
Coefficient of Friction	μk (Kinetic) μs (Static)	0.34 0.39	ASTM D1894
Surface Tension	Dyne	45	ASTM D 2578
Optical			
Haze	%	18.0	ASTM D 1003
Light Transmission	%	87	ASTM D 1003
Gloss	%	145	ASTM D 523
Thermal			
Heat Shrinkage	% MD TD	2.3 1.0	SKC Method (190°C×20 min)

Unit Correlation : N/mm^2 = $Kg/mm^2 \times 9.8$

Kg/mm^2 = psi / 1422.3

SKCA-E-10

SG00 (1000ga)

Product Information

● Product Description

*Skyrol® **SG00** is a slightly rough-surfaced and hazy polyester film to enhance handling and runnability. **SG00** film is available in a wide range of thickness from 60ga up to 1000ga and is extensively used for drafting, release sheet, lamination, protection, collar stay, dust cap and general purpose applications.*

***SG00** 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
Mechanical				
Tensile Strength	psi (Kg/mm^2)	MD TD	24,500 (17) 23,000 (16)	ASTM D 882
Elongation At Break	%	MD TD	250 180	ASTM D 882
Surface				
Coefficient of Friction	μk (Kinetic) μs (Static)		0.34 0.39	ASTM D1894
Surface Tension	Dyne		45	ASTM D 2578
Optical				
Haze	%		25.0	ASTM D 1003
Light Transmission	%		86	ASTM D 1003
Gloss	%		135	ASTM D 523
Thermal				
Heat Shrinkage	%	MD TD	2.3 1.0	SKC Method (190°C×20 min)

Unit Correlation : N/mm^2 = $Kg/mm^2 \times 9.8$

Kg/mm^2 = psi / 1422.3