



Rigid Synthetics Collection

Styrene / Rigid Vinyl / GOEX Plastics

Version 1.0 | June 2, 2023



Styrene

Durable film / Contains up to 10% rubber compound

A lightweight, low-cost, flexible, durable film



Styrene is a durable film that offers added stability and resilience over papers, while serving as a less expensive alternative to other hardworking films. Styrene is often the preferred material for low strength structural applications. It does not curl or warp from moisture or humidity, and can be die-cut and easily thermoformed.

Specifications

- ▶ Wide opacity Range
- ▶ Waterproof
- ▶ FDA allowed for food contact
- ▶ Indoor & outdoor usage

Press

- ▶ Digital
- ▶ Litho/Offset



Finishing

- ▶ Die-cut
- ▶ Punched
- ▶ Foil stamped

Applications

- ▶ Backlit signage
- ▶ Aisle violators
- ▶ Hanging 2-sided signs
- ▶ Temporary ID cards
- ▶ Retail end-cap graphics
- ▶ Hang tags



Available Weights & Sizes

Digital

Opaque

Weight	GSM			SKU	Size	Indigo	Toner	Pkg	/	Ctn
10mil	277	matte/matte	NDO	NFU10NDO	12 x 18	✓	✓	100	/	400
				NFDP10NDO	13 x 19	✓	✓	100	/	400
				NFUM10NDO	20.5 x 29.5	✓		100	/	300
15mil	416	matte/matte	NDO	NFU15NDO	12 x 18	✓	✓	100	/	300
				NFDP15NDO	13 x 19	✓	✓	100	/	300
				NFUM15NDO	20.5 x 29.5	✓		100	/	200
18mil	512	matte/matte	NDO	NFUM18NDO	20.5 x 29.5	✓		100	/	200
20mil	554	matte/matte	Double Opaque	NFU20DO	12 x 18	✓	✓	100	/	200
			NDO	NFU20NDO	12 x 18	✓	✓	100	/	200

✓ Test First

Translucent

Weight	GSM			SKU	Size	Indigo	Toner	Pkg	/	Ctn
10mil	277	matte/matte	translucent	NFU10T	12 x 18	✓	✓	100	/	400
				NFDP10T	13 x 19	✓	✓	100	/	400
15mil	416	matte/matte	translucent	NFU15T	12 x 18	✓	✓	100	/	300
				NFUP15T	13 x 19	✓	✓	100	/	300

✓ Test First

Available Weights & Sizes

Litho

Weight		SKU	Size	Toronto	Chicago	Shts / Pal
10mil	NDO	FPS102537NDO	25 x 37		✓	3,000
		FPS1284NDO	28 x 40	✓		3,000
15mil	NDO	FPS152537NDO	35 x 37		✓	3,000
		FPS5284NDO	28 x 40	✓		2,000
20mil	NDO	FPS2284NDO	28 x 40	✓		1,500
30mil	double opaque	FPS3284DO	28 x 40	✓		1,000



huge

Rigid Vinyl

White / Clear / Metallic

Rigid Vinyl stands up to the toughest tests for strength, stability and versatility



You'll be hard-pressed to find a better material than rigid vinyl. Rigid Vinyl is a non-plasticized substrate that offers dimensional stability as well as tear and moisture resistance.

Specifications

- ▶ Tear resistant
- ▶ Waterproof
- ▶ Indoor & outdoor usage
- ▶ Self-extinguishing and flame resistant for fire code compliance

Press

- ▶ Digital
- ▶ Litho/Offset



Finishing

- ▶ Folded
- ▶ Die-cut
- ▶ Punched
- ▶ Embossed
- ▶ Foil stamped

Applications

- ▶ Durable signage
- ▶ Shelf talkers & wobblers
- ▶ Packaging
- ▶ Counter mats
- ▶ Gift & loyalty cards
- ▶ Menus (flat)
- ▶ Flip books & charts



Available Weights & Sizes

Digital

Gold and Silver – Opulent Metallic Luster

Weight			SKU	Size	Indigo	Toner	Pkg	/	Ctn
18mil	matte/matte	gold	SMPNFU18GMM	12 x 18	✓	✓	100	/	300
18mil	matte/matte	silver	SMPNFU18SMM	12 x 18	✓	✓	100	/	300

✓ Test First

White

Weight		GSM		SKU	Size	Indigo	Toner	Pkg	/	Ctn
10mil	white	360	matte/matte	NFU10WMM	12 x 18	✓	✓	100	/	400
				NFDP10WMM	13 x 19	✓	✓	100	/	400
				NFUM10WMM	20.5 x 29.5	✓		100	/	300
12mil	white	430	matte/matte	NFU12WMM	12 x 18	✓	✓	100	/	400
				NFDP12WMM	13 x 19	✓	✓	100	/	400
				NFUM12WMM	20.5 x 29.5	✓		100	/	300
15mil	white	530	matte/matte	NFU15WMM	12 x 18	✓	✓	100	/	300
				NFDP15WMM	13 x 19	✓	✓	100	/	300
				NFUM15WMM	20.5 x 29.5	✓		100	/	200
18mil	white	639	matte/matte	NFU18WMM	12 x 18	✓	✓	100	/	300
				NFDP18WMM	13 x 19	✓	✓	100	/	300
				NFUM18WMM	20.5 x 29.5	✓		100	/	200
20mil	white	710	matte/matte	NFU20WMM	12 x 18	✓	✓	100	/	200
				NFDP20WMM	13 x 19	✓	✓	100	/	200
24mil	white	850	matte/matte	NFU24WMM	12 x 18	✓	✓	100	/	200

✓ Test First

Available Weights & Sizes

Digital

Clear – Sheets have 3/4" stripes at both ends of the sheet

Weight		GSM		SKU	Size	Indigo	Toner	Pkg	/	Ctn
10mil	clear	345	matte/matte	NFDP10CMMWS	13 x 19	✓		100	/	400
			gloss/gloss	NFDP10CGGWS	13 x 19	✓		100	/	400
			gloss/velvet	NFDP10CGVWS	13 x 19	✓		100	/	400
15mil	clear	518	matte/matte	NFDP15CMMWS	13 x 19	✓		100	/	300
			gloss/gloss	NFDP15CGGWS	13 x 19	✓		100	/	300
			gloss/velvet	NFDP15CGVWS	13 x 19	✓		100	/	300

Clear Tipped – Tipped on 50# white offset paper along 13" edge

Weight		GSM		SKU	Size	Indigo	Toner	Pkg	/	Ctn
10mil	clear	420	gloss/gloss	NFDP10CGT	19 x 13	✓		100	/	400
			gloss/gloss	NFUM10CGT	20.5 x 29.5	✓		100	/	300
			matte/matte	NFDP10CMT	19 x 13	✓		100	/	400

Litho

Weight			SKU	Size	Toronto	Chicago	Shts / Pal
10mil	white	matte/matte	FPVW102537N	25 x 37		✓	2,500
			FPV1284WMM	28 x 40	✓		2,500
15mil	clear	gloss/gloss	FPV5284CGG	28 x 40	✓		1,600
15mil	white	matte/matte	FPV152537N	25 x 37		✓	1,600
			FPV5284WMM	28 x 40	✓		1,600
18mil	white	matte/matte	FPV152537N	25 x 37		✓	1,200
			FPV1828WMM	28 x 40	✓		1,200
20mil	white	matte/matte	FPVW202537N	25 x 37		✓	1,200
			FPV2284WMM	28 x 40	✓		1,200
30mil	white	matte/matte	FPV3284WMM	28 x 40	✓		800



STYREX[®] 320

100% Prime HIPS / Matte/Matte finish

STYREX[®] 320 is a litho and flexographic grade material.



High-Impact Polystyrene (HIPS) is a versatile material used in a wide range of industrial, consumer, and medical applications. HIPS is selected for its ease of processing, light-weighting capability, cost, durability, chemical resistance, and recyclability.

Specifications

- ▶ Custom dyne level ranges available for optimal ink adhesion results
- ▶ Economical price point and quick turn times

Applications

- ▶ POP signage
- ▶ In-store decoration
- ▶ Shelf danglers
- ▶ Tags

Resin Property	Unit	Value	ASTM Method
Specific Gravity	g/cm ³	1.04	D792
Vicat Softening Temperature	°F	214	D1525
Heat Deflection Temperature	°F	185	Internal
Rockwell Hardness	"L" Scale	50	D785

Specifications

Color	Natural White	
Gauge/Thickness	Min.	.015"
	Max.	.125"
Surface Finish	1 st Surface	Gloss
	2 nd Surface	Matte
	1 st Surface	Matte
	2 nd Surface	Matte
Roll Width	Min.	14"
	Max.	60"
Roll Diameter	Min.	18"
	Max.	48"
Core Size	6" Standard	

Resin Property	Unit	Value	ASTM Method
Notched Izod Impact @ 73°F	ft-lb/in	2.8	D256
Tensile Modulus	psi	290,000	D638
Flexural Modulus	psi	290,000	D790

Specifications

Color	White	
Sheet Width	Min. (.010"-.060")	14"
	Min. (.061"-.090")	30"
	Min. (.090"+)	33"
	Max. (.015-.060")	63"
	Max. (.060"+)	61"
Sheet Length	Min.	18"
	Max. (.015"+)	128"
Options	Corona Treatment	0 or 1 or 2 sides

DISCLAIMER: All listed technical data are typical values intended for your guidance. Final testing and fitness for use are determined by the end customer and intended use. GOEX encourages customers to conduct their own test to determine physical properties.

Available Weights & Sizes

Litho

		Size	Shts / Pal
Styrex 320	0.015"	28 x 40	800
	0.020"	28 x 40	600



STYREX[®] 325

Recycled HIPS / Part of the RE•COVER™ family of recycled products

STYREX[®] 325 is a litho and flexographic grade material containing recycled content.



STYREX 325 is a coextruded HIPS material that incorporates recycled content. It can be produced in an A/B or A/B/A construction to match the unique requirements of your project.

Specifications

- ▶ Virgin cap layers maintain a familiar print surface
- ▶ Recycled core increases sheet opacity
- ▶ Contains up to 50% recycled content

Applications

- ▶ Indoor & Outdoor Signage
- ▶ Merchandise Cards
- ▶ POP Displays



Resin Property	Unit	Value	ASTM Method
Specific Gravity	g/cm ³	1.04	D792
Vicat Softening Temperature	°F	208	D1525
Heat Deflection Temperature	°F	187	Internal
Rockwell Hardness	"L" Scale	49	D785

Specifications

Color	White	
Gauge/Thickness	Min.	.020"
	Max.	.125"
Surface Finish	1 st Surface	Gloss
	2 nd Surface	Matte
	1 st Surface	Matte
	2 nd Surface	Matte
Roll Width	Min.	14"
	Max.	60"
Roll Diameter	Min.	18"
	Max.	48"
Core Size	6" Standard	

Resin Property	Unit	Value	ASTM Method
Notched Izod Impact @ 73°F	ft-lb/in	1.4	D256
Tensile Modulus	psi	247,000	D638
Flexural Modulus	psi	312,000	D790

Specifications

Color	White	
Sheet Width	Min. (.020"-.060")	14"
	Min. (.061"-.090")	30"
	Min. (.090"+)	33"
	Max. (.020"-.060")	63"
	Max. (.060"+)	61"
Sheet Length	Min.	18"
	Max.	128"
Options	Corona Treatment	0 or 1 or 2 sides

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STYREX[®] 500

100% Prime HIPS / Matte/Matte finish

STYREX[®] 500 is a digital and screen print grade material.



High-Impact Polystyrene (HIPS) is a versatile material used in a wide range of industrial, consumer, and medical applications. HIPS is selected for its ease of processing, light-weighting capability, cost, durability, chemical resistance, and recyclability.

Specifications

- ▶ Custom dyne level ranges available for optimal ink adhesion results
- ▶ Easy to die cut, form and fabricate
- ▶ Economical price point and quick turn times

Applications

- ▶ POP signage
- ▶ In-store decoration
- ▶ Shelf danglers
- ▶ Tags

Resin Property	Unit	Value	ASTM Method
Specific Gravity	g/cm ³	1.04	D792
Vicat Softening Temperature	°F	212	D1525
Heat Deflection Temperature	°F	183	Internal
Rockwell Hardness	"L" Scale	50	D785

Specifications

Color	Natural White	
Gauge/Thickness	Min.	.015"
	Max.	.125"
Surface Finish	1 st Surface	Gloss
	2 nd Surface	Matte
	1 st Surface	Matte
	2 nd Surface	Matte
Roll Width	Min.	14"
	Max.	60"
Roll Diameter	Min.	18"
	Max.	48"
Core Size	6" Standard	

Resin Property	Unit	Value	ASTM Method
Notched Izod Impact @ 73°F	ft-lb/in	2.6	D256
Tensile Modulus	psi	270,000	D638
Flexural Modulus	psi	270,000	D790

Specifications

Color	White	
Sheet Width	Min. (.015"-.060")	14"
	Min. (.061"-.090")	30"
	Min. (.090"+)	33"
	Max. (.015-.060")	63"
	Max. (.060"+)	61"
Sheet Length	Min.	18"
	Max.	128"
Options	Corona Treatment	0 or 1 or 2 sides

Available Weights & Sizes

Litho

		Size	Shts / Pal
Styrex 500	0.020"	50 x 100	500
	0.030"	50 x 100	350
	0.040"	50 x 100	250
	0.060"	50 x 100	173
Styrex 500	0.020"	60 x 120	271
	0.030"	60 x 120	180
	0.040"	60 x 120	135
	0.060"	60 x 120	90



STYREX[®] 525

Recycled HIPS / Part of the RE•COVER™ family of recycled products

STYREX[®] 525 is a digital and screen print grade material containing recycled content.



STYREX 525 is a coextruded HIPS material that incorporates recycled content. It can be produced in an A/B or A/B/A construction to match the unique requirements of your project.

Specifications

- ▶ Virgin cap layers maintain a familiar print surface
- ▶ Recycled core increases sheet opacity
- ▶ Contains up to 50% recycled content

Applications

- ▶ Indoor & Outdoor Signage
- ▶ Merchandise Cards
- ▶ POP Displays



Resin Property	Unit	Value	ASTM Method
Specific Gravity	g/cm ³	1.04	D792
Vicat Softening Temperature	°F	208	D1525
Heat Deflection Temperature	°F	187	Internal
Rockwell Hardness	"L" Scale	49	D785

Specifications

Color	White	
Gauge/Thickness	Min.	.020"
	Max.	.125"
Surface Finish	1 st Surface	Gloss
	2 nd Surface	Matte
	1 st Surface	Matte
	2 nd Surface	Matte
Roll Width	Min.	14"
	Max.	60"
Roll Diameter	Min.	18"
	Max.	48"
Core Size	6" Standard	

Resin Property	Unit	Value	ASTM Method
Notched Izod Impact @ 73°F	ft-lb/in	1.4	D256
Tensile Modulus	psi	247,000	D638
Flexural Modulus	psi	312,000	D790

Specifications

Color	White	
Sheet Width	Min. (.010"-.060")	14"
	Min. (.061"-.090")	30"
	Min. (.090"+)	33"
	Max. (.015-.060")	63"
	Max. (>.060")	61"
Sheet Length	Min.	18"
	Max. (.015"+)	128"
Options	Corona Treatment	0 or 1 or 2 sides

DISCLAIMER: All listed technical data are typical values intended for your guidance. Final testing and fitness for use are determined by the end customer and intended use. GOEX encourages customers to conduct their own test to determine physical properties.

Available Weights & Sizes

Litho

		Size	Shts / Pal
Styrex 525	0.020"	50 x 100	500
	0.030"	50 x 100	350
	0.040"	50 x 100	250
	0.060"	50 x 100	173



the digital experts

Papers / Plastics / Magnets