

SYNAPS OM WIDE FORMAT

DURABLE, LAYFLAT
POLYESTER FILM



No lamination. No curling. Just fast, flawless, durable wide format graphics.

SYNAPS OM WIDE FORMAT

No Lamination Required – Save time and production costs with a durable, ready-to-use print media, no additional lamination needed

Durable & Scratch Resistant – Engineered to withstand demanding environments and heavy handling – resists scratches, abrasions, curling, wrinkling, bowing, and edge fraying

Waterproof & Tear Resistant – Reliable performance in wet and extreme outdoor conditions, ideal for long-lasting signage in any weather

Layflat After Rolling – Maintains a smooth, professional appearance after being rolled during shipping or long-term storage

Highest Quality Prints – A bright white point and double-sided matte finish produce bold colors, sharp image detail, and consistent results front and back

Fade & Heat Resistant – Graphics remain vibrant even when exposed to direct sunlight, heat, and repeated handling

Versatile Finishing – Compatible with common post-production finishing methods like grommeting, die-cutting, trimming, and mounting

Sustainable Choice – Certified by RecyClass for containing a minimum of 15% recycled polyester (rPET)

Print Compatibility: Wide Format (Latex & UV)

SCAN HERE FOR
FREE SAMPLES ▶



Applications

Retractable Banner Stand
Graphics

Stanchion Stand Graphic Inserts

Trade Show Graphics

Rotating Banners

Wide Format Banners

Point-of-Purchase Signage

Hanging Graphics

Backlit Graphics

Menu Boards

Wayfinding Signage

Retail Storefront Graphics

Museum & Exhibit Graphics

Outdoor Durable Signage

Transit & Bus Shelter Posters

Aisle Invaders & Shelf Wobblers



800.826.4886 | sales@nekoosa.com

NEKOOSA.COM

06.04.25 | M1217-OV

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STANDARD SIZES ►

	Film Thickness	SKU #	Size	GSM	Rolls/Cartons
SYNAPS OM - Wide Format Rolls					
	5 mil	66102	54" x 100'	135	1
	8 mil	66103	36" x 100'	230	1
		66104	54" x 100'		1
	10 mil	66106	54" x 100'	300	1
		66110	36" x 100'	450	1
	14 mil	66111	54" x 100'		1

	Film Thickness	SKU #	Size	GSM	Sheets/Cartons
SYNAPS OM - Flatbed Sheets					
	5 mil	66003	28" x 40"	135	300
	8 mil	66007	28" x 40"	230	175
	10 mil	66011	28" x 40"	300	125
	14 mil	66039	28" x 40"	450	100

*Each SYNAPS OM thickness listed above is offered in custom sizes. Please contact us for more information.

 = PVC-Free



NEKOOSA BUCKS

available in select rolls listed above.

Synaps

Certified for
HP Latex Inks

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TECHNICAL DATA ▶

		5 mil*	8 mil	10 mil	14 mil*
Physical Properties					
Finish		Matte	Matte	Matte	Matte
Color		White	White	White	White
Film		Polyester	Polyester	Polyester	Polyester
Opacity	ISO 2471	92%	96%	96%	97%
Brightness	ISO 2470C	95	95	95	94
Gloss 85°	ISO 2813	10-15	10-15	10-15	10-15
Weight	-	135 gsm	230 gsm	300 gsm	450 gsm
Shrinkage	Internal Agfa test at 203 °F/95 °C	0.20%	0.20%	0.20%	0.20%
Initial Tear Strength	ASTM D1004	45N	80N	100N	125N
Stiffness	ISO 2493	5 mN	22 mN	45 mN	110 mN
BEKK Smoothness	ISO 5627	500-1000 Sec	500-1000 Sec	500-1000 Sec	500-1000 Sec
Whiteness Cie	ISO 11475	100	100	98	97
Mass Density	ISO 534	1.13 ± 0.05 g/cm³	1.16 ± 0.05 g/cm³	1.22 ± 0.05 g/cm³	1.26 ± 0.05 g/cm³
Conditions for Use					
Shelf Life		2 years			
Resistance To Dry Ice		Tested for 5 days at -110 °F (-79 °C)			

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Additional Information:

- SYNAPS OM is not suitable for water based or solvent based printers.
- SYNAPS OM is certified for HP latex and HP Indigo digital printers and validated for Canon's VarioPrint iX series and ColorWave 3800.
- For print recommendations and more specific technical data, visit <https://nekoosa.com/products/synaps-om-wide-format> and reference the documents in the "Media" section

Compatible Finishing Methods:

- Die cut, score, drill, grommet, fold, perforate, bind, varnish, and aqueous coat, emboss and hot foil stamp, staple, bind, guillotine cut, laser cut, engrave, perforate, spiral bind, plotter cut, and roll trim.
- Polyesters can be incinerated safely (according to local regulations) and therefore are a potential source of energy as inert materials they can be buried in approved landfill facilities

Recycling:

- Certified by RecyClass for containing a minimum of 15% recycled polyester (rPET)
- Contains 15% or more, mostly pre-consumer, waste
- SYNAPS OM has plastic recycling code "7 - Other". SYNAPS OM is a polyester that is quite different from the type of polyester that is used for the production of PET bottles for instance. It can be recycled but post-print SYNAPS OM is to be treated as waste because the ecological cost of collecting and selecting the waste is higher than the ecological benefit. Regulations for waste disposal may differ per country so please consult the local regulations.

15 %

RECYCLED
PLASTIC

Certified by RecyClass



This logo represents Nekoosa's commitment to offering sustainable alternatives to traditional PVC materials. 100% of this product line is PVC-Free.

The information provided herein is correct to the best of Nekoosa's knowledge. No liability for any errors, facts or opinions are accepted. Customers must satisfy themselves as to the suitability of this product for their application. No responsibility for any loss as a result of any person placing reliance on any material contained herein will be accepted.