

SYNAPS OM

OFFSET, HP INDIGO & WIDE FORMAT
SYNTHETIC POLYESTER PAPER



Superior dry times using standard offset conventional inks make SYNAPS OM the optimal choice for short-run, on demand printing.

SYNAPS OM

Waterproof, tear-proof and weather resistant - suitable for indoor and outdoor applications

Dries quickly without the need for special offset inks – just like uncoated paper

Superior dimensional stability for precise registration – less shrinkage and distortion on press

High grade opaque polyester film – PVC free, rigid and lays flat

Double sided matte white finish – Printable on both sides

Available in 5, 8, 10 and 14 mil digital cut sizes, folio sheets and wide format rolls

Print Compatibility: Offset (Conventional and UV), HP Indigo, Latex and UV Wide Format

Also Available in Wide Format Rolls



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

Applications

Menus

Maps

Manuals & Catalogs

Shelf Talkers & Wobblers

Membership & I.D. Cards

Hole Punched Tags

Direct Mail

Plant Stakes

Scored Table Tents

Counter Mats

Door Hangers

Recipe Cards

Aisle Invaders

Retractable Banner Stand Graphics

Trade Show Display Panels

Modular Trade Show Display Panels

Rotating Banners

Hanging Signage

Point-of-Purchase Displays

Stanchion Frame Graphic Inserts

Window Graphics

SYNAPS OM

OFFSET, HP INDIGO & WIDE FORMAT
SYNTHETIC POLYESTER PAPER



STOCKED PRODUCTS ▶

Thickness	SKU #	GSM	Size
Wide Format – Latex & UV			
5 mil	66102	135	54" x 100 ft
8 mil	66103	230	36" x 100 ft
	66104		54" x 100 ft
10 mil	66106	300	54" x 100 ft
14 mil	66110	450	36" x 100 ft
	66111		54" x 100 ft

Thickness	SKU #	Size	GSM	M Wgt	Sheets/Carton	Packages/Carton	Sheets/Package	Carton Weight
Offset & HP Indigo								
5 mil* (91# Text)	66002	12" x 18"	135	41.46	1250	-	-	51.83
	66015	12" x 18" Retail Pack		41.46	1200	6	200	49.75
	66056	13" x 19"		47.46	1200	-	-	57.00
	66021	25" x 38"		182.36	300	-	-	54.71
	66003	28" x 40"		215.00	300	-	-	64.50
8 mil (85# Cover)	66006	12" x 18"	230	70.64	750	-	-	52.98
	66018	12" x 18" Retail Pack		70.64	800	4	200	56.51
	66058	13" x 19"		80.78	750	-	-	60.60
	66007	28" x 40"		366.29	175	-	-	64.10
	66009	12" x 18"		92.14	600	-	-	55.28
10 mil (111# Cover)	66020	12" x 18" Retail Pack	300	92.14	600	6	100	55.28
	66059	13" x 19"		105.35	600	-	-	63.20
	66010	14" x 20"		119.44	500	-	-	59.72
	66072	20.81" x 29.5"		261.95	200	-	-	52.37
	66011	28" x 40"		477.77	125	-	-	59.72
14 mil* (166# Cover)	66012	12" x 18"	450	138.21	450	-	-	62.20
	66024	12" x 18" Retail Pack		138.21	400	4	100	55.28
	66060	13" x 19"		158.03	450	-	-	71.10
66039	28" x 40"	716.64	100	-	-	71.66		

*SYNAPS OM 5 mil and 14 mil are compatible, but not certified for HP Indigo presses.

= PVC-Free

Synaps
Prints like paper.

Certified for
HP Indigo

Certified for
HP Latex Inks

\$5 **NEKOOSA BUCKS**
available in select rolls listed above.

NEKOOSA

800.826.4886 | sales@nekoosa.com

NEKOOSA.COM

07.20.23

TECHNICAL DATA ▶

		5 mil*	8 mil	10 mil	14 mil*
Physical Properties					
Finish		Matte	Matte	Matte	Matte
Color		White	White	White	White
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/cm ³	1.16 ± 0.05 g/cm ³	1.22 ± 0.05 g/cm ³	1.26 ± 0.05 g/cm ³

*SYNAPS OM 5 mil and 14 mil are compatible, but not certified for HP Indigo presses



Conditions for Use	
Shelf Life	2 years
Resistance To Dry Ice	Tested for 5 days at -110 °F (-79 °C)

Additional Information:

For print recommendations and more specific technical data, visit https://nekoosa.com/sites/default/files/2020-07/FAQ_Synaps-OM_EN_20200707.pdf

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

Recycling:

- Polyesters can be incinerated safely (according local regulations) and therefore are a potential source of energy as inert materials they can be buried in approved lanfil facilities
- 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.

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.