

# SYNAPS OM

OFFSET & HP INDIGO SYNTHETIC  
POLYESTER PAPER



Superior dry times using standard offset conventional inks makes SYNAPS OM the optimal choice for quick turnaround, on-demand print jobs.

## SYNAPS OM

**No Lamination Required** – Waterproof, tear-proof, and built to last, no costly or time-consuming lamination required

**Fast Drying** – Prints with standard offset inks and dries instantly, perfect for single or double-sided quick turnaround jobs

**Precise Registration** – Dimensionally stable polyester base stock won't shrink or distort on press, producing crisp, detailed fonts and images

**Jam-Free Performance** – Runs reliably through conventional offset presses and HP Indigo digital printers without curl, jamming, and feeding issues

**Premium Feel** – Smooth, silky surface gives the look and feel of luxury paper stock

**Writable Surface** – Compatible with ballpoint pens, markers, and pencil

**Sustainable Choice** – PVC-free and made with over 15% recycled polyester (rPET) for a more environmentally friendly, responsible print solution

**Print Compatibility** – Conventional Offset and HP Indigo

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FREE SAMPLES ▶



## Applications

- Menus
- Maps
- Manuals & Catalogs
- Shelf Talkers & Wobblers
- Hole-Punched Tags
- Direct Mail
- Plant Stakes
- Scored Table Tents
- Counter Mats
- Door Hangers
- Recipe Cards
- Aisle Invaders
- Loyalty & Membership Cards
- Business Cards
- Safety Cards & Tags
- Field Guides
- Machine Tags
- Outdoor Event Badges
- Emergency Information Cards
- Luggage Tags



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06.17.25 | M1100-OV

# SYNAPS OM

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POLYESTER PAPER



## STANDARD SIZES ▶

	Thickness	SKU #	Size	GSM	M Wgt	Sheets/Carton	Carton Weight
SYNAPS OM - Cartons							
5 mil* (91# Text)	▶	66002	12" x 18"	135	41.46	1250	51.83
		66056	13" x 19"		47.46	1200	57.00
		66003	28" x 40"		215.00	300	64.50
8 mil (85# Cover)	▶	66006	12" x 18"	230	70.64	750	52.98
		66058	13" x 19"		80.78	750	60.60
		66007	28" x 40"		366.29	175	64.10
10 mil (111# Cover)	▶	66009	12" x 18"	300	92.14	600	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
		66060	13" x 19"		158.03	450	71.10
		66039	28" x 40"		716.64	100	71.66

	Thickness	SKU #	Size	GSM	M Wgt	Sheets/Carton	Carton Weight	6 Packages
SYNAPS OM - Retail Packs								
5 mil* (91# Text)	▶	66015	12" x 18"	135	41.46	1200	6 Packages	49.75
							200 Sheets	
8 mil (85# Cover)	▶	66018	12" x 18"	230	70.64	800	4 Packages	56.51
							200 Sheets	
10 mil (111# Cover)	▶	66020	12" x 18"	300	92.14	600	6 Packages	55.28
							100 Sheets	
14 mil* (166# Cover)	▶	66024	12" x 18"	450	138.21	400	4 Packages	55.28
							100 Sheets	

Each SYNAPS OM thickness listed above is offered in custom sheet sizes.  
SYNAPS OM is also available in standard 36"x100' and 54"x100' and custom-sized rolls. Please contact us for more information.

 = PVC-Free

Synaps

Certified for  
HP Indigo

Certified for  
HP Latex Inks

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## TECHNICAL DATA ►

		5 mil*	8 mil	10 mil	14 mil
<b>Physical Properties</b>					
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



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

### Additional Information:

· SYNAPS OM is certified for HP Indigo and HP latex 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> 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.

### 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 landfill 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."

# 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.

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