SYNAPS XM

DIGITAL DRY TONER/LASER
SYNTHETIC POLYESTER PAPER



High-performing polyester for applications that demand durability, vibrant colors, and reliable print quality.

Synaps DESIGNED TO PERFORM

No Lamination Required – Minimal scrap, waste, and time compared to traditional lamination

Waterproof, Tear-Resistant, and Weather-Resistant – Suitable for indoor and outdoor applications

Exceptional Finish – Double-sided matte white finish with a premium look and excellent rigidity and lay-flat qualities

Precise Registration – Antistatic top coating ensures strong toner adhesion and smooth feeding through the printer

Sustainable Choice – PVC-free and certified by RecyClass for containing a minimum of 15% recycled polyester (rPET) for a more environmentally-friendly and responsible print solution

Sheet Availability – 5, 8, 10, 12, and 14 mil digital cut sized sheets

Print Compatibility – Digital Dry Toner/Laser

ANTIMICROBIAL – SYNAPS XM is armed with an antimicrobial coating that prevents up to 99.9% of bacteria, viruses, fungi, and mold from growing on the sheet's surface over the lifetime of the printed application.

SCAN HERE FOR
A FREE SAMPLE ▶

Applications

- Menus
- Manuals
- Shelf Talkers & Wobblers
- Aisle Invaders
- Membership & I.D. Cards
- Hole Punched Tags
- Plant Stakes
- Scored Table Tents
- P.O.P. Retail Displays
- Door Hangers
- Recipe Cards
- Wire-O Bound Booklets
- Safety Tags & Signage
- Luggage Tags
- Flash Cards
- *Your next application!*

NEKOOSA

800.826.4886 | sales@nekoosa.com
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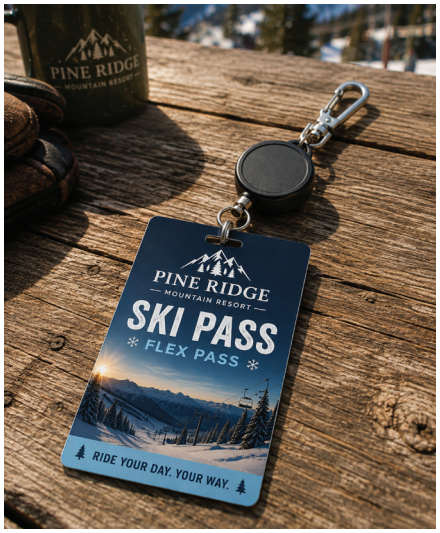
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STANDARD SIZES

SYNAPS XM - Cartons

Thickness	SKU #	Size	GSM	M Wgt	Sheets/Carton	Packages/Carton	Sheets/Package	Carton Weight
5 mil	66025	8.5" x 11"	135	17.85	1200	-	-	21.42
	66026	12" x 18"		41.46	1200	-	-	49.75
	66050	13" x 19"		47.26	1200	-	-	56.70
8 mil	66027	8.5" x 11"	230	30.58	750	-	-	22.94
	66028	12" x 18"		70.64	750	-	-	52.98
	66051	13" x 19"		80.53	750	-	-	60.40
10 mil	66029	8.5" x 11"	300	39.89	600	-	-	23.93
	66030	12" x 18"		92.14	600	-	-	55.28
	66052	13" x 19"		105.04	600	-	-	63.00
12 mil	66066	12" x 18"	375	115.24	500	-	-	57.60
	66067	13" x 19"		131.78	500	-	-	65.90
14 mil	66037	12" x 18"	450	138.21	450	-	-	62.19
	66073	13" x 19"		158.09	450	-	-	71.12

SYNAPS XM - Retail Packs

Thickness	SKU #	Size	GSM	M Wgt	Sheets/Carton	Packages/Carton	Sheets/Package	Carton Weight
5 mil	66031	8.5" x 11" Retail Pack	135	17.85	600	6	100	10.71
	66032	12" x 18" Retail Pack		41.46	600	6	100	24.88
8 mil	66033	8.5" x 11" Retail Pack	230	30.58	600	6	100	18.35
	66034	12" x 18" Retail Pack		70.64	600	6	100	42.38
10 mil	66035	8.5" x 11" Retail Pack	300	39.89	300	6	50	11.97
	66036	12" x 18" Retail Pack		92.14	300	6	50	27.64
12 mil	66069	12" x 18" Retail Pack	375	115.24	300	6	50	34.60
14 mil	66038	12" x 18" Retail Pack	450	138.21	300	6	50	41.46

ID Cards - 8 Up

Thickness	SKU #	Size	GSM	M Wgt	Sheets/Carton	Packages/Carton	Sheets/Package	Carton Weight
8 mil	66074	8.5 x 11	230	30.58	500	16.0	-	-

NEKOOSA BUCKS
available in select cartons.

= PVC-Free

Collect Nekoosa Bucks® found inside qualifying products and redeem your codes online for gift card rewards. Simply create an account, enter your unique codes, and start earning. Learn more or redeem your Bucks at www.rewardbooth.com/nekoosa/ui/home, or scan this QR code

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TECHNICAL DATA

		5 mil	8 mil	10 mil	12 mil	14 mil
Physical Properties						
Finish		Matte	Matte	Matte	Matte	Matte
Color		White	White	White	White	White
Opacity	ISO 2471	87%	93%	94%	95%	96%
Brightness	ISO 2470C	95	95	95	95	94
Gloss 85°	ISO 2813	3 -10	3 -10	3 -10	3 -10	3 -10
Weight	-	135 gsm	230 gsm	300 gsm	375 gsm	450 gsm
Shrinkage	Internal Agfa test at 248 °F/120 °C	0.20%	0.20%	0.20%	0.20%	0.20%
Initial Tear Strength	ASTM D1004	45N	80N	100N	112N	125N
Stiffness	ISO 2493	5 mN	25 mN	40 mN	85 mN	110 mN
Conductivity	DIN IEC 93	>1 x 10^9 Ω/□	>1 x 10^9 Ω/□	>1 x 10^9 Ω/□	>1 x 10^9 Ω/□	>1 x 10^9 Ω/□
BEKK Smoothness	ISO 5627	125 - 215 Sec	125 - 215 Sec	125 - 215 Sec	125 - 215 Sec	125 - 215 Sec
Whiteness Cie	ISO 11475	100	100	98	98	97
Mass Density	ISO 534	1.17 ± 0.05 g/cm³	1.19 ± 0.05 g/cm³	1.25 ± 0.05 g/cm³	1.26 ± 0.05 g/cm³	1.28 ± 0.05 g/cm³

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

= PVC-Free

Additional Information:

· For print recommendations and more specific technical data, visit https://nekoosa.com/products/synaps-xm and reference the documents in the "Media" section.

Compatible Finishing Methods:

· Die cut, score, drill, grommet, fold, 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 to local regulations) and therefore are a potential source of energy as inert materials they can be buried in approved landfill facilities.

· Certified by RecyClass for containing a minimum of 15% recycled polyester (rPET).

· SYNAPS XM has plastic recycling code "7 - Other". SYNAPS XM 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 XM 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

FINISHED IN THE USA

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, however, should not be construed as specifications. 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.