SYNAPS XM

DIGITAL DRY TONER/LASER
SYNTHETIC POLYESTER PAPER

NEKOOSA PROMISE™
PVC-Free Option

SYNAPS XM is the superior alternative to traditional lamination.

SYNAPS XM

Minimal scrap, waste and time compared to traditional lamination

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

Double sided matte white finish, rigid, and lays flat

Superior dimensional stability for precise registration

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

Easily washable with a mild soap and soft cloth

PVC Free - Comprised of at least 15% recycled polyester (rPET)

Available in 5, 8, 10, 12, and 14 mil digital cut sized sheets

Print Compatibility: Digital Dry Toner/Laser

NOW ANTIMICROBIAL – SYNAPS XM is now 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.

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

SCAN HERE FOR
FREE SAMPLES ▶

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SYNAPS XM | DIGITAL DRY TONER/LASER SYNTHETIC POLYESTER PAPER

STANDARD SIZES ▶

Thickness	SKU #	Size	GSM	M Wgt	Sheets/Carton	Packages/Carton	Sheets/Package	Carton Weight
Digital Dry Toner/Laser								
5 mil	🌱 66025	8.5" x 11"	135	17.85	1200	-	-	21.42
	🌱 66031	8.5" x 11" Retail Pack		17.85	600	6	100	10.71
	🌱 66026	12" x 18"		41.46	1200	-	-	49.75
	🌱 66032	12" x 18" Retail Pack		41.46	600	6	100	24.88
	🌱 66050	13" x 19"		47.26	1200	-	-	56.70
8 mil	🌱 66027	8.5" x 11"	230	30.58	750	-	-	22.94
	🌱 66033	8.5" x 11" Retail Pack		30.58	600	6	100	18.35
	🌱 66028	12" x 18"		70.64	750	-	-	52.98
	🌱 66034	12" x 18" Retail Pack		70.64	600	6	100	42.38
	🌱 66051	13" x 19"		80.53	750	-	-	60.40
10 mil	🌱 66029	8.5" x 11"	300	39.89	600	-	-	23.93
	🌱 66035	8.5" x 11" Retail Pack		39.89	300	6	50	11.97
	🌱 66030	12" x 18"		92.14	600	-	-	55.28
	🌱 66036	12" x 18" Retail Pack		92.14	300	6	50	27.64
	🌱 66052	13" x 19"		105.04	600	-	-	63.00
12 mil	🌱 66066	12" x 18"	375	115.24	500	-	-	57.60
	🌱 66069	12" x 18" Retail Pack		115.24	300	6	50	34.60
	🌱 66067	13" x 19"		131.78	500	-	-	65.90
14 mil	🌱 66037	12" x 18"	450	138.21	450	-	-	62.19
	🌱 66038	12" x 18" Retail Pack		138.21	300	6	50	41.46
	🌱 66073	13" x 19"		158.09	450	-	-	71.12

Thickness	SKU #	Size	GSM	M Wgt	Sheets/Carton	Carton Weight
8UP ID Cards						
8 mil	🌱 66074	8.5 x 11	230	30.58	500	16.0

🌱 = PVC-Free

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TECHNICAL DATA ▶

Physical Properties		🌱 5 mil	🌱 8 mil	🌱 10 mil	🌱 12 mil	🌱 14 mil
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 10⁹ Ω/☐	>1 x 10⁹ Ω/☐	>1 x 10⁹ Ω/☐	>1 x 10⁹ Ω/☐	>1 x 10⁹ 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

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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 agfa.com/specialty-products/solutions/synaps-synthetic-paper/

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, plottwer 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 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**

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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