

SYNAPS XM

DIGITAL DRY TONER/LASER
SYNTHETIC POLYESTER PAPER



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

Superior dimensional stability for precise registration

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

Rigid and lays flat

Die cut, perforate, UV varnish and scoring capabilities

Writable with pencil, ball point pen or marker

Easily washable with a mild soap and soft cloth

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. *SYNAPS XM 8, 10, 12 and 14 mil are currently antimicrobial, and 5 mil is coming soon in Q1 2022.

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



STOCKED PRODUCTS ▶

	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



Prints like paper.

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/cm ³	1.19 ± 0.05 g/cm ³	1.25 ± 0.05 g/cm ³	1.26 ± 0.05 g/cm ³	1.28 ± 0.05 g/cm ³

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 40% 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.

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.