

SYNAPS XM in a nutshell:

SYNAPS XM is a white opaque high grade polyester based synthetic print media with a matt finish. Water and tear resistant, SYNAPS XM offers a most cost efficient alternative to laminating paper print with foil. Its antistatic properties and dimensional stability make SYNAPS XM ideally qualified for drop-in production of high quality print on standard toner-based Multi-Functional Printers/Copiers - from one single copy to long run print series. The growing range of applications includes print materials with particularly demanding user environment, such as outdoor and indoor POS signage, menu cards, labels and tags, just to name a few.

For an overview of printer compatibility and optimal printer settings as well as recommendations for printing and finishing, please consult the Downloads section on www.agfa.com/synaps.

Technical Data SYNAPS XM Xerography matt

version 2.0 - 2021-09-16

Property	Test method	Unit	XM110	XM135	XM170	XM230	XM300	XM375	XM450
Thickness Average	ASTM D-6988	µm	100 ± 5	120 ± 7	150 ± 8	200 ± 10	250 ± 15	300 ± 18	350 ± 21
Weight		g/m ²	110	135	170	230	300	375	450
Shrinkage	Internal Agfa test at 120°C/248°F	%	0,2	0,2	0,2	0,2	0,2	0,2	0,2
Resistance to dry ice	Internal Agfa test	°C (°F)	Tested for 5 days at -79 (-110)	Tested for 5 days at -79 (-110)	Tested for 5 days at -79 (-110)	Tested for 5 days at -79 (-110)	Tested for 5 days at -79 (-110)	Tested for 5 days at -79 (-110)	Tested for 5 days at -79 (-110)
Initial tear strength	ASTM D1004	N	38	45	58	80	100	112	125
Stiffness	ISO 2493	mN	2	5	10	25	40	85	110
Conductivity	DIN IEC 93	Ω/□	>1 x 10 ⁹	>1 x 10 ⁹	>1 x 10 ⁹	>1 x 10 ⁹	>1 x 10 ⁹	>1 x 10 ⁹	>1 x 10 ⁹
BEKK smoothness	ISO 5627	Sec	125 – 21 5	125 – 21 5	125 – 21 5	125 – 21 5	125 – 21 5	125 – 21 5	125 – 215 5
Opacity	ISO 2471	%	87	87	90	93	94	95	96
Brightness	ISO 2470C		95	95	95	95	95	95	94
Whiteness Cie	ISO 11475		100	100	100	100	98	98	97
Gloss 85°	ISO 2813		3 – 10	3 – 10	3 – 10	3 – 10	3 – 10	3 – 10	3 – 10
Mass density	ISO 534	g/cm ³	1,22 ± 0,05	1,17 ± 0,05	1,18 ± 0,05	1,19 ± 0,05	1,25 ± 0,05	1,26 ± 0,05	1,28 ± 0,05
Shelf life		At least 24 months							
Fire Class		Information upon request							
Antimicrobial certification	ISO 18184 ISO 20743	SYNAPS XM has certified protection against viruses and bacteria.							