

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, and recommendations for printing and finishing, please consult the SYNAPS XM 'Technical Documentation' section on www.agfa.com/synaps/dedicated page ID

Technical Data SYNAPS XM Xerography matt

Property	Test method	Unit	XM 135	XM230	XM300	XM450
Thickness Average	ASTM D-6988	μm	120 <u>+</u> 7	200 <u>+</u> 10	250 <u>+</u> 15	350 <u>+</u> 21
Weight		g/m²	135	230	300	450
Shrinkage	Internal Agfa test at 120°C/248°F	%	0,2	0,2	0,2	0,2
Brittleness	Internal Agfa test	°C (°F)	-40 (-40)	-40 (-40)	-40 (-40)	-40 (-40)
Initial tear strength	ASTM D1004	Ν	45	80	100	125
Stiffness	ISO 2493	mN	5	25	48	110
Conductivity	DIN IEC 93	Ω/\Box	>1 x 10 ⁹	>1 x 10 ⁹	>1 x 10 ⁹	>1 x 10 ⁹
BEKK smoothness	ISO 5627	Sec	125-175	125-175	125-175	125-175
Opacity	ISO 2471	%	87	93	94	96
Brightness	ISO 2470C		96	96	96	93
Whiteness Cie	ISO 11475		100	100	100	95
Gloss 85°	ISO 2813		3-10	3-10	3-10	3-10
Mass density	ISO 534	g/cm ³	1.17 ± 0.05	1.19 ± 0.05	1.25 ± 0.05	1.28 ± 0.05
Shelf life			At least 24 months	At least 24 months	At least 24 months	At least 24 months
Fire Class			Information upon request	Information upon request	Information upon request	Information up request

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This information is the best currently available on the subject. The results should, however, only be regarded as a general guide to material properties and not as a guarantee. Please contact Agfa at marketingsynaps@agfa.com for additional information. Agfa, the Agfa rhombus, and Synaps are trademarks of Agfa-Gevaert NV, Belgium, or its affiliates.

