Synaps
Prints like paper.

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

version 1.6 - 2019-04-05

Property	Test method	Unit	XM135	XM170	XM230	XM300	XM375	XM450
Thickness Average	ASTM D-6988	µm	120 ± 7	150 ± 8	200 ± 10	250 ± 15	300 ± 18	350 ± 21
Weight		g/m²	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
Brittleness	Internal Agfa test	°C (°F)	-40 (-40)	-40 (-40)	-40 (-40)	-40 (-40)	-40 (-40)	-40 (-40)
Initial tear strength	ASTM D1004	N	45	48	80	100	112	125
Stiffness	ISO 2493	mN	5	10	25	48	85	110
Conductivity	DIN IEC 93	$\Omega/\square$	$>1 \times 10^9$	$>1 \times 10^9$	$>1 \times 10^9$	$>1 \times 10^9$	$>1 \times 10^9$	$>1 \times 10^9$
BEKK smoothness	ISO 5627	Sec	125-175	125-175	125-175	125-175	125-175	125-175
Opacity	ISO 2471	%	87	90	93	94	95	96
Brightness	ISO 2470C		95	95	95	95	95	94
Whiteness Cie	ISO 11475		100	100	100	98	98	97
Gloss 85°	ISO 2813		3-10	3-10	3-10	3-10	3-10	3-10
Mass density	ISO 534	g/cm³	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					

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