

SYNAPS OM in a nutshell:

SYNAPS OM is a white opaque high grade polyester based synthetic print media with a matt finish. Water and tear resistant, SYNAPS OM offers a most cost efficient alternative to laminating paper print with foil. SYNAPS OM is unique in the synthetic print media market in offering incomparable printability with standard offset inks. As such, it offers a true drop-in solution for offset printers for the production of print materials with particularly demanding user environment. Its antistatic properties and dimensional stability allow for flawless printing and finishing, and thanks to its exceptionally fast drying quality SYNAPS OM is extremely suitable for quick 'print and turn' jobs. The growing range of applications includes indoor and outdoor POS signage, menu cards, tab sheets, labels and tags, just to name a few.

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

Technical Data SYNAPS OM Offset matt

version 2.2 - 2021-04-26

Property	Test method	Unit	OM90F	OM135	OM170	OM230	OM300	OM450
Thickness Average	ASTM D-6988	µm	85 ±5	120 ±7	150 ±8	200 ±10	250 ±12	350 ±21
Weight		g/m²	90	135	170	230	300	450
Shrinkage	Internal Agfa test at 95°C/203°F	%	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)
Initial tear strength	ASTM D1004	N	27	45	55	80	100	125
Stiffness	ISO 2493	mN	1	5	10	22	45	110
BEKK smoothness	ISO 5627	Sec	500-1000	500-1000	500-1000	500-1000	500-1000	500-1000
Opacity	ISO 2471	%	89	92	94	96	96	97
Brightness	ISO 2470C		95	95	95	95	95	94
Whiteness Cie	ISO 11475		100	100	100	100	98	97
Gloss 85°	ISO 2813		10-15	10-15	10-15	10-15	10-15	10-15
Mass density	ISO 534	g/cm³	1,05 ±0,05	1,13 ±0,05	1,14 ±0,05	1,16 ±0,05	1,22 ±0,05	1,26 ±0,05
Shelf life	20-25°C / 40-60%RH	At least 24 months						
Fire Class		Information upon request						