

Synaps OM (Offset Matt) is a high-quality synthetic polyester medium that delivers exceptional durability, as well as resistance to tears, UV light and water - all without the need for lamination. It has a double-sided coating that supports standard offset ink plus HP Indigo (without the need for priming), making it suitable for a wide variety of printing techniques without additional cost. Plus, extremely fast ink drying times mean highly efficient and productive print runs. In addition to the silky-smooth feel, Synaps OM is highly versatile, making it perfect to suit a host of indoor and outdoor applications.

Process suitability

HP Indigo • Offset (conventional and UV) • Flexo (Water based and UV) • Canon iX series Inkjet

Applications

Indoor and outdoor signage • Menus • Posters • Tab sheets • Labels • Tags

Specification					
Grammage (gsm)	135	170	230	300	450
Thickness average (mic)	120 ± 7	150 ± 8	200 ± 10	250 ± 12	350 ± 21
Shrinkage (%)	0.2	0.2	0.2	0.2	0.2
Resistance to dry ice (°C)	Tested for 5 days at -79	Tested for 5 days at -79	Tested for 5 days at -79	Tested for 5 days at -79	Tested for 5 days at -79
Brittleness (°C)	-40	-40	-40	-40	-40
Initial tear strength (N)	45	55	80	100	125
Stiffness (mN) ISO 2493	5	10	22	45	110
BEKK smoothness (sec) ISO 5627	500 to 1000	500 to 1000	500 to 1000	500 to 1000	500 to 1000
Opacity (%) ISO 2471	92	94	96	96	97
Brightness ISO 2470C	95	95	95	95	94
Whiteness Cie ISO 11475	100	100	100	98	97
Gloss 85° ISO 2813	10 to 15	10 to 15	10 to 15	10 to 15	10 to 15
Mass density (g/cm³) ISO 534	1.13 ± 0.05	1.14 ± 0.05	1.16 ± 0.05	1.22 ± 0.05	1.26 ± 0.05

Stock schedule					
gsm	135	170	230	300	450
320mm x 460mm	●	●	●	●	●
530mm x 750mm	●	●	●	●	●
460mm x 640mm	●	●	●	●	●

Credentials




The CO₂ emissions from this product can be mitigated through the Carbon Capture® programme, directly supporting the work of the Woodland Trust.

This information is given for general guidance only and is subject to change without notice.