

## Product Description

Synaps® OM is a synthetic paper based on a high grade polyester substrate. It combines the physical qualities of a polyester film with the printability and 'look and feel' of a luxury paper. It is therefore suitable for applications with high demands on material robustness and print characteristics, and/or applications where the distinct nature of Synaps® OM is valued. It excels in offset printing applications because of its superior printability and extremely fast drying.

Composition : Synaps® OM consists of an opaque polyester film that is coated 2-sided with an ink receptive layer. It is suitable for offset, screen, flexo, and gravure printing. It is also suitable for UV curable inkjet printing. It is not suitable for non-UV inkjet printing. It is also not suitable for electro-photographic printing.

## Main Characteristics (Synaps® OM)

Color, Finish :

- white, matte

Robustness :

- high tear resistance, high chemical resistance, waterproof
- excellent water resistance in normal outdoor conditions (no physical scratching)
- note: scratch resistance will be negatively affected by prolonged submersion in water; rough handling in wet conditions can damage the printed image and needs to be avoided

Stiffness :

- comparable to or slightly higher than a paper with same weight

Electrostatic properties :

- no electrostatic charging problems under normal conditions

Printability :

- suitable for sheet fed and web offset printing
- excellent printability with standard offset inks
- absorbing, oxidizing and UV-curable inks can be used
- very fast drying, no powdering required in most applications
- suitable for high resolution screening, including stochastic screening
- also suitable for screen, flexo, gravure printing

Weatherability, UV exposure :

- suitable for indoor and outdoor use
- excellent weatherability
- good waterproofness and water resistance (scratch resistance will be affected by thick ink layers or prolonged submersion in water)
- very limited discoloration under prolonged exposure to UV light

Temperature resistance :

- from -40°C (-40 °F) up to +95 °C (+203 °F)

Ageing :

- virtually no discoloration or deterioration under normal environmental conditions (away from strong UV light and protected against extreme temperatures)

Ecology :

- no toxic or ecologically harmful components are used during production
- production waste is re-used in production process
- Synaps® OM can be recycled through appropriate polyester (PET) recycling channels (to be established)

### **See Synaps® OM Technical Data Sheet for detailed material properties**

*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 [marketingsynaps@agfa.com](mailto:marketingsynaps@agfa.com) for additional information.

Storage, handling, finishing :

- can be stored and handled like paper, environmental conditions not critical
- can be easily cut using standard equipment
- folding, die cutting, perforating, stapling, riveting, gluing : to be tested in specific applications

Assortment :

- Synaps OM is available in 135 / 170 / 230 / 300 / 450 grs./m<sup>2</sup>  
(120 / 150 / 200 / 250 / 350 µm thickness)

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