



EXCELLENT PRINTABLE PRODUCTS

TECHNICAL DATA SHEET

Synplas SPH – Print receptive Synthetic paper

Product Description

Synplas SPH is an extruded synthetic paper with a print receptive coating on both sides, suitable for printing by all popular methods such as offset, uv, screen and flexo. The material is durable, water resistant and versatile, it can be punched, stitched, glued and creased.

Typical Applications

Recommended for use in

- Labels,
- Manuals,
- Posters,
- Brochures,
- Baggage tags
- Maps.

Key Features

Synplas SPH is a cavitated and extruded material, which is coated on both sides and has excellent tear resistance in both directions. It is also a food certified product. The material is 100% recyclable and meets today's environmental requirements.

Sizes Available

Can be purchased in roll form or as sheeted material. Maximum width of 1300mm in roll form. Sheet sizes can be tailored to customer requirements. Available in thicknesses from 100µ to 200µ.

Properties

Item	Unit	Reference Data					Test Method
Thickness	μ	100	120	150	180	200	
Thickness Variation	%	±5	±5	±5	±5	±5	TAPPI T-411
Opacity	%	>88	>90	>92	>93	>93	TAPPI T-425
Whiteness	%	96	96	96	96	96	TAPPI T-525
Base weight	gsm	83	92	117	135	140	
Yield	Mt ² .Kg ⁻¹	12.7	11.1	9.3	7.8	7.1	
Gloss (75°)	GU	20 - 30	20 - 30	20 - 30	20 - 30	20 - 30	TAPPI T-480
Roughness	μ	<1.5	<1.5	<1.5	<1.5	<1.1	TAPPI T-555
Brightness	%	>92	>92	>92	>92	>92	TAPPI T-525
Specific Gravity	-						ASTMD792

*Green – Immediate availability

*Yellow – Delayed availability

Ink Compatibility

Synplas SPH is coated on both sides and is compatible with standard litho inks, oxidising and UV lithographic printing and screen printing process inks. When printing litho, the use of oxidizing inks will reduce drying times. All Synplas products have a closed cell structure so 30-50% less ink is needed because ink stays on the surface giving a more vibrant image, but cannot be used with laser printers. Please read our recommended printing instructions for offset printing on our website.

Storage and Shelf life

When stored in a dry, well ventilated area, under ambient conditions, with no excessive variation in temperature, the useable life of the product should be in excess of 5 years.

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of our
knowledge
the
information
contained
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COATING EXCELLENCE