



EXCELLENT PRINTABLE PRODUCTS

TECHNICAL DATA SHEET

Synplas SPA – Print receptive Synthetic paper

Product Description

Synplas SPA is a calendared synthetic paper for use in the offset printing, flexo and screen processes. 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,
- Displays,
- Banding Tape,
- Maps.

Key Features

Synplas SPA is an uncoated material, but printable on either side. It has a very good tear resistance in one direction only and has excellent folding characteristics. The material is 100% recyclable and meets today's environmental requirements.

Sizes Available

Synplas SPA can be purchased in roll form or as sheeted material. Maximum width of 1300mm in roll form, and up to 2700 LM in length. Sheet sizes can be tailored to customer requirements upon request. Available in thicknesses from 100 μ to 150 μ .

Properties

Item		Unit	Reference Data			Test Method
Thickness		μ	100	120	150	
Thickness Variation		%	±7	±7	±7	Micro Gauge
Transmittance		%	28↓	28↓	28↓	ASTM D1003
Whiteness		WI	78↑			ASTME313
Base Weight		Gsm	134	161	201	
Yield		Mt ² .Kg ⁻¹	7.46	6.21	4.97	
Gloss Value		GU	2-5	2-5	2-5	ASTMD523
463 Roughness	A	μ	10-30	10-30	10-30	JISB0601
	B	μ	25-60	25-60	25-60	
408 Roughness	A	μ	40-60	40-60	40-60	JISB0601
	B	μ	25-60	25-60	25-60	
Tensile Strength	MD	MPa	19.3			ASTM D638
	CD	MPa	13.8			
Elongation	MD	%	200↑	200↑	200↑	ASTM D638
	CD	%	40↑	40↑	40↑	
Surface Tension		Dyne/cm	46↑	46↑	46↑	ASTMD2578
Surface Resistance		Ω/□	9*10 ¹² ↓			ASTMD257

*Green – Immediate availability

*Yellow – Delayed availability

Ink Compatibility

Synplas SPA has no coating and should be printed using oxidizing inks only. 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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COATING EXCELLENCE

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