



EXCELLENT PRINTABLE PRODUCTS

Synplas SPC – Print receptive Synthetic paper

Product Description

Synplas SPC 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. It has a card like feel to it due to its increased thicknesses.

Typical Applications

Recommended for use in

- Labels,
- Banners,
- Loyalty cards,
- Posters,
- Horticultural tags,
- Book Dividers,

Key Features

Synplas SPC 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 with card like stiffness. 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 250 μ to 500 μ .

Properties

Item		Unit	Reference Data				Test Method
Thickness		μ	250*	300*	400*	500*	
Thickness Variation		%	±5	±5	±5	±5	Micro Gauge
Transmittance		%	15.0	12.5	8.5	7.5	ASTM D1003
Whiteness		WI	88↑				ASTME313
Base Weight		Gsm	283	340	452	565	
Yield		Mt ² .Kg ⁻¹	3.53	2.94	2.21	1.77	
Gloss Value		GU	2-5	2-5	2-5	2-5	ASTMD523
Roughness	A	μ	30-55	30-55	30-55	30-55	JISB0601
Tensile Strength	MD	MPa	24.3	24.3	24.1	24.1	ASTM D638
	CD	MPa	20.9	20.8	20.7	20.7	
Elongation	MD	%	380	370	300	300	ASTM D638
	CD	%	23	22	20	20	
Surface Tension		Dyne/cm	46↑				ASTMD2578
Surface Resistance		Ω	9*10 ¹² ↓				ASTMD257
Specific Gravity		-	1.13				ASTMD792

*Green – Immediate availability

*Yellow – Delayed availability

Ink Compatibility

Synplas SPC 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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