



EXCELLENT PRINTABLE PRODUCTS

TECHNICAL DATA SHEET

Synplas SPCT – Print receptive Synthetic paper

Product Description

Synplas SPCT 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. This is a lighter material compared to out other calendared products.

Typical Applications

Recommended for use in

- Labels,
- Horticultural Tags,
- Banners,
- Manuals,
- Menus,
- Posters.

Key Features

Synplas SPCT 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, as well as a higher whiteness level and lower gsm compared to our other calendared products. 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 80μ to 200μ.

Properties

Item	Unit	Reference Data					Test Method	
Thickness	μ	80*	100*	120*	150*	200*		
Thickness Variation	%	±7					Micro Gauge	
Transmittance	%	27.0	25.0	23.0	21.0	17.0	ASTM D1003	
Whiteness	WI	90					ASTME313	
Base Weight	Gsm	98	122	147	183	244		
Yield	Mt ² .Kg ⁻¹	10.25	8.20	6.80	5.46	4.10		
Gloss Value	A	GU	2-5				ASTMD523	
	B	GU	3-6					
Roughness	A	μ	30-55				JISB0601	
	B	μ	30-65					
Tear Strength	MD	gm/mm	380	390	400	410	430	ASTM D1922
	CD	gm/mm	540	530	520	510	500	
Tensile Strength	MD	psi	4100	4080	4060	4040	4000	ASTM D638
	CD	psi	2600	2580	2560	2540	2500	
Elongation	MD	%	560	540	530	520	500	ASTM D638
	CD	%	87	86	85	84	82	
Surface Tension	Dyne/cm	44					ASTMD2578	
Specific Gravity	-	1.22 ± 0.03					ASTMD792	
Surface Resistance	Ω/□	9*10 ¹²					ASTMD257	

*Green – Immediate availability

*Yellow – Delayed availability

Ink Compatibility

Synplas SPCT 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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