



EXCELLENT PRINTABLE PRODUCTS

# TECHNICAL DATA SHEET

## **Synplas SPCD – Print receptive Synthetic paper**

### **Product Description**

Synplas SPCD 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,
- Menus,
- Posters,
- Book Dividers,
- Leaflet Covers,
- Manual Covers

### **Key Features**

Synplas SPCD is an uncoated material, but printable on either side. It has a very good tear resistance in one direction only, has excellent folding characteristics and card like stiffness, as well as a higher whiteness level compared to our other calendared products, with a higher opaque density too. 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 200µ to 350µ.

## Properties

Item		Unit	Reference Data				Test Method
Thickness		μ	200*	250*	300*	350*	
Thickness Variation		%	±7	±7	±5	±5	Micro Gauge
Transmittance		%	25↓	18↓	18↓	18↓	ASTM D1003
Whiteness		WI	78↑				ASTME313
Base Weight		Gsm	234	293	351	410	
Yield		Mt <sup>2</sup> .Kg <sup>-1</sup>	4.27	3.41	2.85	2.44	
Gloss Value		GU	2-5				ASTMD523
463 Roughness	A	μ	10-30				JISB0601
	B	μ	25-60				
408 Roughness	A	μ	40-60				JISB0601
	B	μ	25-60				
Tensile Strength	MD	MPa	19.3				ASTM D638
	CD	MPa	13.8				
Elongation	MD	%	500↑	300↑	300↑	300↑	ASTM D638
	CD	%	80↑	60↑	60↑	60↑	
Surface Tension		Dyne/cm	46↑				ASTMD2578
Specific Gravity		-	1.17 ± 0.03				ASTMD792
Surface Resistance		Ω/□	9*10 <sup>12</sup> ↓				ASTMD257

\*Green – Immediate availability

\*Yellow – Delayed availability

### Ink Compatibility

Synplas SPCD 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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