



EXCELLENT PRINTABLE PRODUCTS

TECHNICAL DATA SHEET

Synplas SPG – Print receptive Synthetic paper

Product Description

Synplas SPG is an extruded synthetic paper with a print receptive coating on one side, 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

Key Features

Synplas SPG is a cavitated and extruded material, which has coating on a single side 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 1350mm in roll form of SPG75, and 1030mm in SPG95. Sheet sizes can be tailored to customer requirements. Available in thicknesses from 75 μ to 95 μ .

Properties

Item	Unit	Reference Data		Test Method	
Thickness	μ	75*	95*		
Thickness Variation	%	7	7	TAPPI T-411	
Specific Gravity	g/m ³	0.84	0.83	ASTM D-792	
Opacity	%	91	91	TAPPI T-425	
Whiteness	%	96	96	TAPPI T-525	
Base Weight	Gsm	63.0	78.9		
Yield	Sq/Mt-per Kg	15.87	12.67		
Gloss Value	%	18	18	TAPPI T-480	
Layers		5	5		
Roughness	μ	0.7	0.7	TAPPI T-555	
Coating Thickness	μ	4	4		
Bonding Strength		6	6		
Thermal Shrinkage	MD	%	1.25	1.08	STM D-273
	CD		0.42	0.3	
Elongation	MD	%	116	104	ASTM D-882
	CD		45	55	

*Green – Immediate availability

*Yellow – Delayed availability

Ink Compatibility

Synplas SPG is coated on only one side 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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COATING EXCELLENCE

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