



EXCELLENT PRINTABLE PRODUCTS

# TECHNICAL DATA SHEET

## **Synplas SPQ – Print receptive synthetic paper**

### **Product Description**

Synplas SPQ is an extruded synthetic paper, 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 SPQ is a cavitated and extruded material, which is uncoated 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. Sheet sizes can be tailored to customer requirements. Only available in a thickness of 60µ.

## Properties

Item	Unit	Reference Data	Test Method
Thickness	μ	60	TAPPI T411
Thickness Variation	%	±5	TAPPI T411
Specific Gravity	--	0.60 ± 0.03	ASTMD792
Opacity	%	78↑	TAPPI T425
Wetting Tension	S1	Dyne/cm	38↑
	S2		
Gloss	S1	%	50↓
	S2		
Roughness	S1	μ	2.0↓
	S2		
Brightness	S1	%	92↑
	S2		
Surface Resistivity	S1	Ω	1 x 10 <sup>13</sup> ↓
	S2		
Remarks	S1	Matt Side	
	S2	Gloss Side	

## Ink Compatibility

Synplas SPQ is uncoated on either side but is still compatible with UV lithographic and water based 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

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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