

PRINT-EX SYNPAF FILM

Polypropylene film for self-adhesive labels

SYNPAP is a Polypropylene film for the application of face-stock of self-adhesive labels. It is a soft formulation specially developed for the replacement of PVC in the Self-adhesive labels.

SYNPAP is non-oriented cast embossed film with the following features.

- High opacity
- Fine embossed satin surface for easy offset printing
- Anti-static
- Recyclable with polyolefin materials
- Very low orientation
- Ductile and soft with high tear resistance.
- Easy die cutting.
- Resistant to moisture and oils
- EU and US food contact approvals.

Applications:

Due to low orientation and flexibility of **SYNPAP** is ideal for complex die cutting.

It is possible to apply the label on non-flat surfaces

The Satin surface and antistatic properties makes printing and label handling easier.

Surface finish			
Top (printable side)		Satin	
Bottom (adhesive side)		Slightly Embossed for easy handling	
Thickness μm (caliper apparent thickness)		60-180	
Thickness tolerance μm		$\pm 3\%$	
Specific Gravity	White opaque (B)	60 – 150 μm	0.98-1.05
Width tolerance mm		+5 -0	

Item	SYNPAP - 60	SYNPAP - 70	SYNPAP - 80	SYNPAP - 100	SYNPAP - 125	SYNPAP - 150	SYNPAP - 180
Average Yield Gr/M ²	61	72	83	105	134	161	200

Property	Method	Unit	Value
Tensile Strength at Yield MD / CD	ASTM D 638-IV	MPa	15
Elongation at Yield MD / CD	ASTM D 638-IV	%	8
Elongation at brake MD / CD	ASTM D 638-IV	%	<800
Elmendorf Tear resistance	ISO 6383-2004	N 70 μ MD 1.4 CD 1.6	
Elmendorf Tear resistance	ISO 6383-2004	N 80 μ MD 1.5 CD 1.8	
Elmendorf Tear resistance	ISO 6383-2004	N 100 μ MD 2.9 CD 2.8	
Elmendorf Tear resistance	ISO 6383-2004	N 180 μ MD 10 CD 12	

Temperture resistance

Outdoor resistance

Surface treatment: Both sides corona treated for Flexo. Screen and Offset printing. The treatment is guaranteed for 8 month Check production date before printing! Treatment level is > than 40 dyn/cm

Inks: Use inks for corona treated PP Always check carefully if ink is suitable to the job and process.

Foil blocking: use zinc or brass stamp. Select foils suitable for pp and for the required print resolution.

Conformity:

SYNPAP is suitable for direct food contact under European Directive 10/2011 and amendments. Specific food contact declaration with SML will be supplied on request.

Norm	Toy safety Directive 2009/48/EC Flammability & Migration	COMMISSION REGULATION (EU) No 10/2011	RoHS Directive 02/95/EC	Heavy metals Directive 94/62/EC
	Yes	Yes	Yes	Yes

**Food contact conformity should be requester prior to placement of an order. Exten will not provide conformity declaration for articles already produced without particular notice from the client.*

Availability:

MAX WIDTH 1600; INNER CORE 152 MM 6" ; MAX ROLL DIAMETER 800 MM; MAX ROLL WEIGHT 800 Kg.

Health and Safety:

For Health and Safety information, please contact our sales department

Storage: store in dry and shaded place. Do not store at temperature higher than 25°C, printability deteriorates.

Recycling: Production rejects and waste should preferably be recycled instead of being disposed. **SYNPAP is** degradable by UV light and combustion. **SYNPAP** is not biodegradable.