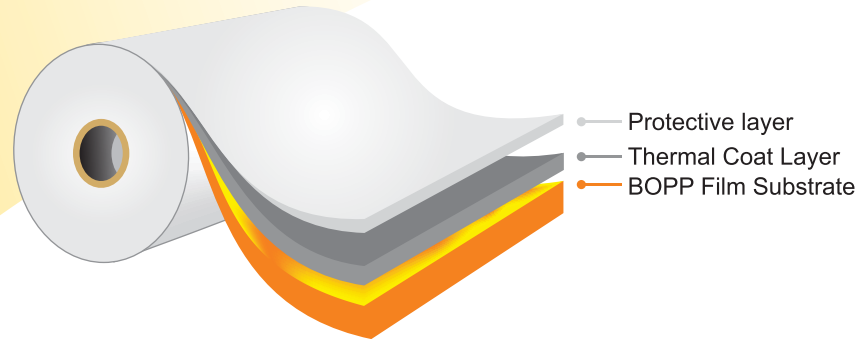


Direct Thermal Printable Film

Top Coated

C1056 (DTP) TC

Structure



Description

It is BOPP based, Top coated direct thermal printable (DTP) film.

Features

- Direct thermal printable
- Excellent rub resistance
- Excellent resistance, to oil , solvent and water
- Dark image quality
- Paper like appearance

Provisional Data Sheet

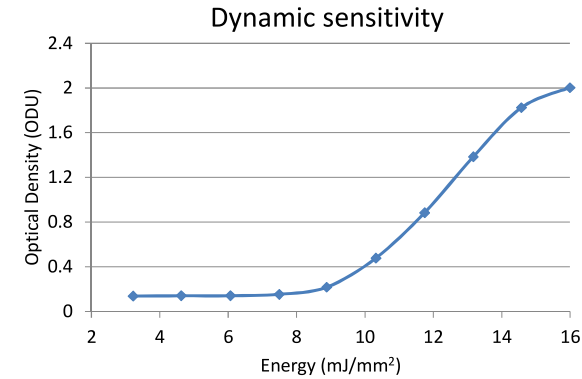
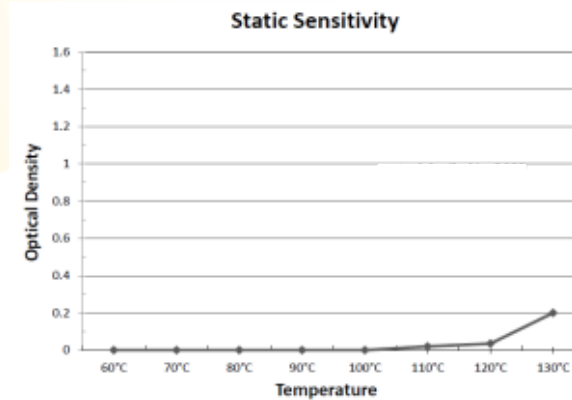
Properties	Units	Test Method	C1056 (DTP) TC
Physical Data			
Average Thickness	micron	D-374-C	100
Thickness Variation	% (±)		5
Unit Weight	g/m ²		75.0
Yield	m ² /kg	ASTM D-4321	13.33
Initial Activation Temperature (O.D. = 0.2)	°C	CTM	120°
Maximum Optical Density (16 mj/mm ²)	Unit	CTM	2.0
Image Colour			Black
Preservation Properties			
Test item	Image Density		Test Method (Density measurement done with X-Rite 939 Spectrodensitometer)
	Image	Background	
Water resistance	1.2 min	0.2 max	Immersed in water for 1 hour and vigorously rubbing the image with fingertip before taking black density measurement
Oil resistance	1.2 min	0.2 max	Canola oil was rubbed generously against the darkest image with a cotton swab and left for 1 hour before taking black density measurement
Sensitivity			
Property	Specification	Test Method	
Image Density	2.0	Printer Atlantek 400 at energy density of 16 mj/mm ² and Optical Density measurement done with X-Rite 939 Spectrodensitometer	
Background Density	0.10 min		

Cosmo Films Limited

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Recommendation: For best results of image density with 200 DPI printers, printing recommended at 50% darkness levels for 2D (two dimensional) barcodes and 65% darkness levels for 1D (one dimensional) bar codes. Results would be more favorable while printing with (300 DPI printers and above) resulting in higher resolution and printing at lower darkness %.

Precautions

1. Storage

- Avoid exposure to sunlight, high temperature & high humidity in storage.
- Ideal storage conditions 25°C & <50% RH.
- Avoid storing in presence of solvents & plasticizers.
- Avoid high pressure in storage location.

2. Processing:

- Water based adhesive is recommended. In case of solvent based adhesive, please check the suitability.
- Appropriate tests are requested for right selection of inks before printing process.
- Take a pre-test to be sure that enough optical density is obtained by your printer.

3. Others:

Don't scratch or press the image side as it may cause potential color problem

Note: This product has standard thermal sensitivity making it suitable for print speed up to 125 mm/s at energy density of 16 mJ/mm² depending on printer settings.

Disclaimer: The information provided above is to the best of knowledge of COSMO FILMS LTD. The values provided are CFL laboratory test results, which are indicative only and provided for guidelines. Do not consider above values as specifications so the product should be tested thoroughly under end use conditions to ensure it meets the requirement of the specific applications.

Applications

- Airline baggage tags.
- Ready made food labels.
- Industrial bar code applications.
- Retail price marking.
- Logistics labels
- Fruits & Meat label.

Cosmo Films Limited

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