

FASSON® Dry Toner Films

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Introduction

A self-adhesive film sheet product for digital printing on dry toner machines.

Description

Face : **Laser PET** - transparent, white or silver polyester films with matt or gloss finish and a toner receptive surface.

PO Laser - white, matt polyethylene film with a toner receptive surface.

PP Laser - biaxially oriented, white, matt polypropylene film with a toner receptive surface.

Availability

Backing ↴	Adhesive ➡	Permanent	Permanent	Extra Permanent	Extra Permanent
		(Laser PET)	(PP Laser)	(Laser PET)	(PO Laser)
No cracklines		x	x	x	x

Printing & Conversion

All products are specifically engineered for use on the Dry Toner sheet-fed presses.
 Each facematerial gives excellent toner key (no pre-treatment needed).
 Stable constructions ensure problem-free runability.
 Before applying the label, the surface must be clean, dry and grease-free (see Technical bulletin 7.1).

Features

Excellent layflatness, enabling high speed printing using the advantages of full-colour DIGITAL printing such as: short runs, personalisation etc.
 All adhesives are specifically developed for applications on rough and apolar surfaces.

Recommendations for use

Multi-colour-, identification-, mailing (addressing/shipping)-, carton-, packaging-, inventory-, pricing-, barcode labels. Promotional-, seasonal- and theme- stickers. Suitable for flat or curved surfaces.
 For indoor and outdoor use.

General

Shelf life : 2 years stored at 20°C / 55% R.H.

Physical properties

Face

Type	Laser PET White Matt	Laser PET White Gloss	Laser PET Transp. Matt	Laser PET Transp. Gloss	Laser PET Silver (Matt)	PO Laser	PP Laser
Basis weight	74 g/m ²	76 g/m ²	54 g/m ²	70 g/m ²	80 g/m ²	115 g/m ²	93 g/m ²
Caliper	50 micron	50 micron	46 micron	50 micron	55 micron	173 micron	109 micron

Adhesive

Permanent (Laser PET)	Clear emulsion adhesive for demanding labeling applications, featuring excellent initial tack, adhesion and "wet-out" performance even on apolar surfaces such as HDPE. Improved temperature, water, solvent and chemical resistance.
Permanent (PP Laser)	General purpose permanent, acrylic-based adhesive. The adhesive is characterized by a high initial tack, excellent adhesion and good low temperature performance on a wide variety of substrates.
Extra Permanent (Laser PET)	Crystal clear, solvent-based acrylate adhesive with max. UV- and weather resistance. Good initial and final adhesion together with a higher ageing stability compared to standard permanent adhesives. Resistant against high temperatures.
Extra Permanent (PO Laser)	Permanent acrylic based adhesive which performs excellently on very difficult surfaces, e.g. HDPE drums. It also offers good medium-life durability and is therefore ideal for tracking/warehouse applications.

	Permanent (Laser PET)	Permanent (PP Laser)	Extra Permanent (Laser PET)	Extra Permanent (Laser PET Silver)	Extra Permanent (PO Laser)
Adhesion (N/25 mm) (FTM 2 on steel/24 hrs. bond time)	9	10	9	9	8
Tack (N/25 mm) (FTM 9 on glass)	17	17	14	10	15
Minimum application temperature	> 0	> 0	> +10	0	> +5
Service temperature range					
up to 24 hrs (°C)	+ 80	+ 80	+ 80	+ 120	+ 80
up to 1 hr (°C)	-	-	+ 110	+ 150	-
Resistance to cold (°C) ¹⁾ down to	- 20	- 20	- 20	- 80	- 20

¹⁾ Not fully resistant until after adhesion reaches full strength – after at least 24 hrs

Backing

No cracklines A bleached one-side-coated white kraft, especially designed for sheet products, featuring minimal moisture sensitivity.

	<u>Laser PET</u>	<u>PP Laser</u>	<u>PO Laser</u>
Basis weight	136 g/m ²	121 g/m ²	92 g/m ²
Caliper	141 micron	118 micron	88 micron

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