

JAC GRAPHICS DRY TONER FILMS

Print carrier

JAC® Digilabel Dry Toner Films have been specially developed for the use on dry toner printing systems and are all equipped with safety edges. The face material guarantees a good toner adhesion to avoid damage when scratching. The superb flatness ensures good runability, smooth passing through the machine and clean kiss-cutting. Make sure the surface is clean, dry and free of oil or grease before applying the label.

JAC® Datapol – transparent, white or silver polyester films with matt or gloss finish and a toner receptive surface.

JAC® PE Laser – white, matt polyethylene film with a toner receptive surface.

Average values

Type	Datapol White Matt	Datapol White Gloss	Datapol Transp. Matt	Datapol Transp. Gloss	Datapol Silver	PE Laser	PP Laser
Weight (g/m ²)	74	76	54	70	80	115	93
Thickness (µm)	50	50	46	50	55	173	109
Shelf life of laminate ¹⁾	2	2	2	2	2	2	2

¹⁾ Refers to adhesion and printability when stored in original packaging in dark, dry conditions at a temperature of 22 ± 2 °C and a relative humidity of 50 % ± 5 %.

JAC® PP Laser – biaxially oriented, white, matt polypropylene film with a toner receptive surface.

Adhesives

DURO AL 170 - is a solvent-based permanent acrylate adhesive. It is distinguished by its excellent light-fastness, ageing stability and plasticizer resistance. It also displays very good transparency and very good processing properties.

EXTRA DURO AL 180 - is a crystal clear, solvent-based permanent 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.

DURO D 2010 - is a 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.

DURO E 400 - is a 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.

DURO E 500 - is a 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.

Average values

Type	AL170	AL180	D2010	E400	E500
Peel Adhesion 90° (N/25 mm) (FTM 2/24 hrs bond time on st. steel)	9	9	10	8	9
Tack (N/25 mm) (FTM 9 on glass)	10	14	17	15	17
Recommended minimum application temperature (°C)	0	+10	0	+5	0
Heat resistance up to 24 hrs (°C)	+120	+80	+80	+100	+80
up to 1 hr (°C)	+150	+110	-	-	-
Resistance to cold (°C) ³⁾ down to	-80	-20	-20	-20	-20
Ageing stability ⁴⁾	very good	very good	good	good	good
Shelf life of laminate (years) ⁵⁾	2	2	2	2	2

³⁾ Not fully resistant until after adhesion reaches full strength – after at least 24 hrs.

⁴⁾ If not exposed to direct sunlight; applied at room temperature.

⁵⁾ Refers to adhesion when stored in original packaging in dark, dry conditions at a temperature of 22 ± 2 °C and a relative humidity of 50 % ± 5 %.

Silicone papers

B 100 - is a stable, siliconized special purpose paper which displays good flatness and die cutting properties.

B 120 - is a very stable, siliconized special purpose paper which displays good flatness and die cutting properties.

B 140 - is a siliconized, special purpose lightweight board, which displays high dimensional stability.

Average values

Type	B 100	B 120	B 140
Weight (g/m ²)	92	121	136
Thickness (µm)	88	118	141

Guarantee and liability.

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