

Technical specification sheet

Ball & Doggett

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Product: JAC Serilux Coloured, Gloss Clear, Gloss White Vinyl

Category: Folio Papers - Self Adhesive

Mill: Avery Dennison

Country of origin: Germany

Technical specifications:

Print carrier	Average values				
JAC® SERILUX is a series of flexible PVC.	Type No.	70100	72100	74100 ff	72200
Offset-printed: with UV-curing inks, which are resistant to plasticiser / suitable for films and	Weight (g/m²)	117	95	112	230
Screen-printed: with conventional (i.e. solvent-based) and UV-curing inks	Thickness (µm)	90	90	80	170
Consult your printing ink supplier about suitable printing inks. All printing inks should be tested for suitability prior to use.	Tensile strength longitudinal (N/mm²)	35	35	22	20
For optimal UV offset printing results we advice to use JAC® SERILUX PLUS. As well for conventional offset we recommend to use JAC® SERILUX PLUS.	transverse (N/mm²)	28	28	–	–
For technical guidance please visit our website under Downloads "Guidelines for use" – Offset / Screen printing.	Elongation at break longitudinal (%)	200	200	–	–
JAC® SERILUX films display a high degree of tear resistance and tear propagation resistance. They also display relatively good ageing stability, water resistance and light-fastness, depending on the actual applications for which they are used. They are used for the production of high-quality labels for indoor and outdoor application.	transverse (%)	200	200	–	–
The following print carriers are available ex stock:	Transparency (%)	–	–	–	–
JAC® SERILUX 70100 – crystal clear, gloss	Opacity (%)	–	92	94	94
JAC® SERILUX 72100 – white, gloss approx. RAL 9016	Shelf life of laminate¹⁾	2	2	2	2
JAC® SERILUX 72101 – white, matt approx. RAL 9016	Max. outdoor durability²⁾ (years)	2	2	2	2
JAC® SERILUX 71100 – black, matt approx. RAL 9011	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® SERILUX 71102 – black, gloss approx. RAL 9005	2) Under normal climatic conditions as prevailing in Central Europe				
JAC® SERILUX 74100 – SHELL yellow, gloss approx. RAL 1021	JAC® SERILUX 76100 – green, gloss	approx. RAL 6029			
JAC® SERILUX 75082 – yellow, gloss	JAC® SERILUX 77100 – blue, gloss	approx. RAL 5019			
	JAC® SERILUX 78100 – red, gloss	approx. RAL 3000			
	JAC® SERILUX 72200 – white, gloss	approx. RAL 9016			
	For information regarding EHS regulation please visit our website under downloads "Guidelines for Use" 5.12 Product Compliance JAC Screen				

Adhesive	Average values				
All 4 listed adhesives are dispersion based acrylic adhesives with following specific characteristics.	E 110	E 300 Super	A 5	A 2	
DURO E 110 is the standard permanent adhesive for flexible PVC films and is distinguished by its high transparency and UV stability.	Adhesion (N/25 mm) (FTM 1/24 hrs bond time on st. steel)	20	23	4,5	5
DURO E 300 SUPER is displaying extremely strong adhesion and is intended for use where a standard adhesive does not give adequate adhesion on rough and/or a-polar surfaces. (e.g. plastic containers)	Tack (N/25 mm) (FTM 9 on glass)	8	11	3	5
NONPERM A 2 is the standard removable adhesive. This highly transparent adhesive is intended for use in cases where labels and stickers are intended to be removed from most common substrates up to 6 months after application under middle European exposure conditions.	Recommended minimum application temperature (°C)	≥ +5	≥ +5	≥ +5	≥+5
NONPERM A 5 is a long term removable adhesive. It displays very good guillotining properties and is ideal for both wet and dry application. Removable from most common substrates up to 1 year after application under middle European exposure conditions.	Heat resistance up to 24 hrs (°C)	+80	+90	+120	+80
Available combinations ex stock. Reference is made to the product overview films	up to 1 hr (°C)	+110	+120	+140	+125
	Resistance to cold (°C)³⁾ down to	-40	-40	-40	-40
	Ageing stability⁴⁾	good	good	good	good
	Shelf life of laminate (years)⁵⁾	2	1	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.				

Silicone paper	Average values	
B145 is a siliconized, special-purpose lightweight board, wood-free, matt on reverse side, moisture-stabilized through specially impregnated fibers and special coating, hence its excellent flatness.	B145	
B 145 SPLIT is as above, but with scored lines running in machine direction and spaced 6,25 cm apart serving as a peel-off aid (supplied as standard with JAC® SERILUX 70100, 72100 (adhesive E 1 and JAC® SERILUX 72101 (adhesive E 110)).	Weight (g/m²)	128
	Thickness (µm)	132