

Print carrier

JAC® SERILUX is a series of flexible PVC.

Offset-printed: with UV-curing inks, which are resistant to plasticiser / suitable for films and

Screen-printed: with conventional (i.e. solvent-based) and UV-curing inks

Consult your printing ink supplier about suitable printing inks. All printing inks should be tested for suitability prior to use.

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.

For technical guidance please visit our web side under Downloads "Guidelines for use" – Offset / Screen printing.

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.

The following print carriers are available ex stock:

JAC® SERILUX 70100 – crystal clear, gloss	
JAC® SERILUX 72100 – white, gloss	approx. RAL 9016
JAC® SERILUX 72101 – white, matt	approx. RAL 9016
JAC® SERILUX 71100 – black, matt	approx. RAL 9011
JAC® SERILUX 71102 – black, gloss	approx. RAL 9005
JAC® SERILUX 74100 – SHELL yellow, gloss	approx. RAL 1021
JAC® SERILUX 75082 – yellow, gloss	

Average values

Type No.	70100	72100	74100 ff	72200
Weight (g/m ²)	114	122	110	227
Thickness (µm)	90	90	80	170
Tensile strength longitudinal (N/mm ²)	30	30	30	30
transverse (N/mm ²)	28	28	30	28
Elongation at break longitudinal (%)	170	170	150	170
transverse (%)	200	200	200	200
Transparency (%)	90	–	–	–
Opacity (%)	–	92	90	94
Shelf life of laminate ¹⁾	2	2	2	2
Max. outdoor durability ²⁾ (years)	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 %.

²⁾ Under normal climatic conditions as prevailing in Central Europe

JAC® SERILUX 76100 – green, gloss	approx. RAL 6029
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

All 4 listed adhesives are dispersion based acrylic adhesives with following specific characteristics.

DURO E 110 is the standard permanent adhesive for flexible PVC films and is distinguished by its high transparency and UV stability.

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)

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.

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.

Available combinations ex stock.

Reference is made to the product overview films

Typical Average values

	E 110	E 300 Super	A 5	A 2
Adhesion (N/25 mm) (FTM 1/24 hrs bond time on st. steel)	15	23	3	5
Tack (N/25 mm) (FTM 9 on glass)	8	11	3	5
Recommended minimum application temperature (°C)	≥ +5	≥ +5	≥ +5	≥ +5
Heat resistance up to 24 hrs (°C)	+80	+90	+120	+80
up to 1 hr (°C)	+110	+120	+140	+125
Resistance to cold (°C) ³⁾ down to	-40	-40	-40	-40
Ageing stability ⁴⁾	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.

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Silicone paper

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.

B 145 SPLIT is as above, but with scored lines running in machine direction and spaced 5 cm apart serving as a peel-off aid (supplied as standard with JAC® SERILUX 70100, 72100 (adhesive E 110 and A 2) and JAC® SERILUX 72101 (adhesive E 110)).

Guarantee and liability.

The typical values given above are based on existing findings and empirical values. It is the user's own responsibility to check, prior to use, whether the product is in fact suitable for the intended application, and with particular reference to any influential factors peculiar to the application for which the product is to be used. All matters relating to our guarantee and liability in respect of the above product, including the period of guarantee, are governed by our currently valid General Conditions of Sale insofar as these conditions do not contravene any overriding legislation. Subject to technical changes and improvements without prior notice.

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