

### 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 advise to use JAC® SERILUX PLUS. As well for conventional offset we recommend to use JAC® SERILUX PLUS.

For technical guidance please visit our website 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:

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

### Average values

Type No.	70100	72100	74100 ff	72200
Weight (g/m <sup>2</sup> )	117	95	112	230
Thickness (µm)	90	90	80	170
Tensile strength				
longitudinal (N/mm <sup>2</sup> )	35	35	22	20
transverse (N/mm <sup>2</sup> )	28	28	–	–
Elongation at break				
longitudinal (%)	200	200	–	–
transverse (%)	200	200	–	–
Transparency (%)	–	–	–	–
Opacity (%)	–	92	94	94
Shelf life of laminate <sup>1)</sup>	2	2	2	2
Max. outdoor durability <sup>2)</sup> (years)	2	2	2	2

<sup>1)</sup> 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 %.

<sup>2)</sup> Under normal climatic conditions as prevailing in Central Europe

<b>JAC® SERILUX 76100</b> – green, gloss	approx. RAL 6029
<b>JAC® SERILUX 77100</b> – blue, gloss	approx. RAL 5019
<b>JAC® SERILUX 78100</b> – red, gloss	approx. RAL 3000
<b>JAC® SERILUX 72200</b> – 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

### Average values

	E 110	E 300 Super	A 5	A 2
Adhesion (N/25 mm) (FTM 1/24 hrs bond time on st. steel)	20	23	4,5	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) <sup>3)</sup> down to	-40	-40	-40	-40
Ageing stability <sup>4)</sup>	good	good	good	good
Shelf life of laminate (years) <sup>5)</sup>	2	1	2	2

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

<sup>4)</sup> If not exposed to direct sunlight; applied at room temperature.

### 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 6,25 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)).

### Average values

	B145
Weight (g/m <sup>2</sup> )	128
Thickness (µm)	132



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Guarantee and liability

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