



SPECIALTIES FOR PRODUCTION OF CREDIT CARDS

Article-No	Description
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SIGNATURE FIELDS ON LAMINATED CARDS

Series 140-20021-05/01	Signature field varnish (77-55 PET 1000, thinner Series 300-017)
Series 140-20021/00	Signature field white (77-55 PET 1000, thinner Series 300-017)

SIGNATURE FIELDS ON „NOT LAMINATED“ CARDS (POLISHABLE SYSTEMS)

Series 140-712-05/04	Signature field varnish, polishable (77-55 PET 1000. Thinner Series 300-017)
Series 140-712-00/01	Signature field white, polishable (77-55 PET 1000. Thinner Series 300-017)
Series 140-712-00/03	Signature field white, polishable, flexible setting

MAGNETIC INK (LOW-COST APPLICATIONS: ENTRY TICKETS, LOTTERY TICKETS, MONO APPLICATIONS)

Series 382-33/360	<p>Magnetic Ink “low coersitivity” (thinner Series 10-0914)</p> <p>Printing parameters :</p> <p>Shore : 65 Shore</p> <p>Mesh : 68-55 PET 1000</p> <p>Dryer : 3 warm zones : 70°C / 1 cold zone : 10°C</p> <p>Aligning of Fe₂O₃-magnetic pigments immediately after screen printing by permanent bar magnet, condensed with 4 Gauss (magnetic induction, magnet strength). A steel plate, steel ST48C (which is also used in ship manufacturing), is positioned underneath the magnet and underneath the conveyor belt and which represents the opposite pole to the magnet. This steel plate is absolutely important for an optimal orientation of the iron pigments (signal-to-noise ratio, SNR). Usually, magnets with a strength/thickness of 15mm and a steel plate with 9mm are used. The distance between print and the magnet is approx. 4-5cm.</p>
Series 382-00/477	<p>Covering white on magnet panels (Series 382-33/360), for offset printing</p> <p>Printing parameters :</p> <p>Shore : 65 Shore</p> <p>Mesh : 140-31 PET1000</p> <p>Dryer : 3 warm zones : 70°C / 1 cold zone : 10°C</p>

MAGNETIC INK (POLISHABLE SYSTEMS; HIGH QUALITY APPLICATIONS: MULTI APPLICATIONS)

Series 382-05/393	<p>Polish varnish on magnet panels (thinner Series 300-017/01)</p> <p>Printing parameters :</p> <p>Shore: 75 Shore</p> <p>Mesh: 140-31 PET 1000</p> <p>The polish varnish series 382-05/393 is used as polishable covering varnish and to increase scratch resistance of the applied magnetic ink (Series 382-33/406). Furthermore, a colored polish varnish on the same basis is offered (Series 140-712-27/26 polish-blue). Following laminating parameters for pressing of the polishable ink systems are done by means of a “Buerkle” laminating press :</p> <ul style="list-style-type: none"> • Pressing temperature : 138°C • Heating pressure: 90 bar • Cooling pressure: 40 bar • Pressing time: approx. 14-15 minutes
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POLISH VARNISH WITHOUT OVERLAY (MANUFACTURING OF LOW-PRICED CARDS)

Series 140-712/25	<p>Polish varnish (approx. 10% by weight, thinner Series 10-473)</p> <p>Printing parameters:</p> <p>Shore: 75 Shore</p> <p>Mesh: 68-55 PET 1000</p> <p>Dryer: 3 warm zones : 40-70°C / 1 cold zone : 10°C</p>
Series 571-035	<p>UV polish varnish</p> <p>Printing parameters :</p> <p>Shore: 75 Shore (RKS)</p> <p>Mesh: 150-31 PET 1000</p> <p>UV-curing: 300-350 mJ/cm² (Technigraf Integrator)</p>

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THERMAL VARNISH AS LAMINATING ASSISTANCE

Series 140-541/1	Thermal varnish, press-ready (77-55 PET 1000)
Series 140-541/02	Thermal varnish with higher resin (77-55 PET 1000)
Series 140-541/11	Thermal varnish for offset primer printing / ABS (77-55 PET 1000)
Series 420-05/248	Thermal varnish on water basis (90-48, 77-55 PET 1000)

UV LUMINESCENT INK, LAMINABLE (VISIBLE UNDER UV-BLACKLIGHT)

Series 382-UL09/05	UV luminescent ink, yellow
Series 382-UL12/05	UV luminescent ink, orange
Series 382-UL16/05	UV luminescent ink, red
Series 382-UL26/05	UV luminescent ink, blue
Series 382-UL30/05	UV luminescent ink, green

PHOTOCHROMATIC INK, LAMINABLE (CHANGES COLOR WHEN EXPOSED TO DAYLIGHT/SUNLIGHT, REVERSIBLE)

Series 382-PC08/05	Photochromatic ink, yellow
Series 382-PC20/05	Photochromatic ink, magenta
Series 382-PC21/05	Photochromatic ink, violet
Series 382-PC26/05	Photochromatic ink, blue

Overlay's (without UV absorber) for safety printing (UV luminescent and photochromatic):

- INEOS films, type 157_00, thickness 100 µm
- INEOS films, type 157_B0, thickness 80 µm, coated

THERMOCHROMATIC INK, REVERSIBLE, LAMINABLE (CHANGES COLOR AT A TEMPERATURES OF:)

Series 382-T31-33/05	Black / at 31°C / transforms to colorless
Series 382-T0-13/05	Orange / at 0°C / transforms to colorless
Series 382-T31-34/10	Olive / at 31°C / transforms to yellow
Series 382-T40-27/05	Light blue / at 40°C / transforms to colorless
Series 382-T45-25/05	Dark blue / at 45°C / transforms to colorless

VARNISH (STAMPABLE)

Series 140-20038/05	Stamp varnish (77-55 PET 1000, thinner Series 300-017)
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OPAQUE WHITE, LAMINABLE

Series 382-00/393	Opaque white, laminable (77-55 PET 1000, thinner Series 300-017)
Series 382-00/668	Opaque white, laminable, for offset printing (77-55 PET 1000, thinner Series 300-017)

SILVER, VARIETIES WITH HIGH PEEL STRENGTH

Series 382-100/F	Silver, fine, easyCARD (77-55 PET 1000)
Series 382-100/M	Silver, medium-coarse, easyCARD (77-55 PET 1000)
Series 382-100/G	Silver, coarse, easyCARD (77-55 PET 1000)

METALLIC COLOR SHADES „MASTERCARD“

Series 382-100/98	Silver „PMS 877 C“, diluted (77-55 PET 1000)
Series 382-103/48	MasterCard gold 2000 (77-55 PET 1000)

METALLIC COLOR SHADES „VISA“

Series 382-02299/23	Silver Visa Classic (77-55 PET 1000)
Series 382-103/42	VISA gold (77-55 PET 1000)



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