

Technical Data Sheet

GENESIS

Pure PU Based Ink Series for high performance lamination

Main Characteristics

- Very high color strength
- Excellent bonding strength on various substrates
- Excellent printability at very high speed press.
- Suitable for solvent based and solvent-less adhesive systems.
- Very low solvent retention.
- Excellent re-solubility.
- Excellent heat resistance.
- Excellent block resistance for off-line lamination.
- Good adhesive smear resistance.
- Available for retort applications

Printing Techniques

- Flexography

Printing Substrates

- Poly Ethylene (LD, HD, MD)
- Polyester (corona and chemical treated)
- Polypropylene (COEX, BOPP)

Additional information:
Substrate to be printed needs to have a corona treatment:
min. 38 dyn/cm for PE/PP
min. 48 dyn/cm for polyester

Viscosity (Din 4 at 25°C)

- Production viscosity:
40-60 sec

Dilution

- **Extender and thinner**

In order to reduce color strength add a diluting varnish:

Adding only thinner or an excessive use of solvent may alter the characteristics of the ink.

- **Diluting**

Genesis Extender

- **Thinner**

Slow

	%
IPA	20.00
Iso-Buthyl Acetate	80.00

Normal

	%
IPA	20.00
n-propyl Acetate	80.00

Fast

	%
IPA	20.00
Ethyl Acetate	80.00

Storage and safety

- Store in closed packages.
- Store in well ventilated area
- Max. 12 months in original packages.
- Mix well before use.
- Product is highly flammable.

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