

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 resolubility.
- Excellent heat resistance.
- Excellent block resistance for off-line lamination.
- Good adhesive smear resistance.
- Available for retort and Boil-In-Bag applications

Printing Techniques

- Flexography

Printing Substrates

- Polyethylene (LD, HD, MD)
- Polyester (corona and chemical treated)
- Polypropylene (COEX, BOPP)
- Nylon
- Saran coated films

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

	%
n-propanol	55
PNB	30
n-propyl acetate	15

Normal

	%
n-propanol	80
n-propyl acetate	20

Fast

	%
Ethanol	80
n-propyl acetate	20

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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