

Rely on us.

nyloprint® DLE S

Direct engravable pad printing plate for highest print quality

Efficient and consistent processing

- Pad printing plate for laser direct engraving
- Efficient, consistent and fast plate processing
 - relief generation in only one process step
 - no defects caused by dust or damaged film
 - no data loss during transfer
- Highly consistent, especially when repeating plate processing
- Suitable for all standard laser systems
 - for CO₂, fibre and diode laser systems
 - for ablation laser systems for flexo and letterpress plates (with magnetic drum)
 - for all commonly used laser resolutions

Superior pad printing quality

- Screen ruling up to 380 lpi (150 L/cm)
- Excellent solid density due to brilliant ink transfer because of the straight cell geometry
- Highest resolution for the reproduction of finest details
- Very good cup gliding characteristics – also well-suited for closed ink cups
- Stable and repeatable print quality due to precise definition of engraving depth
- 40,000 impressions without entailing any loss in quality

Wide range of applications

- Gravure plate for high quality pad printing
 - for industrial, medical and promotional products
 - for printing on toys, golf balls, decorative designs
 - for automotive and electronic parts, identification labels and serial numbers
- Well-suited for halftone printing
- nyloprint® DLE 45 S – especially for all applications where a particularly high ink transfer is required

FlintGroup
Flexographic Products

nyloprint® DLE S

nyloprint® DLE S		
	30	45
Technical characteristics		
Base material	Steel	Steel
Colour of raw plate	black	black
Total thickness (mm) (inch)	0.34 0.013"	0.36 0.014"
Plate hardness (Shore D)	92	91
Relief depth (mm) (inch)	0.030 0.001"	0.045 0.002"
Tonal range (%) at screen ruling of	2 - 95 150 L/cm - (380 LPI)	2 - 95 150 L/cm - (380 LPI)

Suitable laser types

CO₂, fibre and diode lasers with appropriate exhaust ventilation and suitable filter system. Also suitable with standard ablation laser systems for flexo and letterpress plates (with magnetic drum). For detailed information regarding technical information and process parameters please contact your laser supplier.

Suitable cleaning agents

All commonly used cleaning agents (e.g alcohol and acetone); Water and water based cleaning agents not suitable.

Pre-drying

Pre-drying of nyloprint® DLE S can improve durability and production stability (Recommendation: 10 min at 60° C prior to the printing process)

Storing information

Detailed information about storage can be found in the nyloprint® User Guide.

Printing inks

Suitable for commonly used pad printing inks (e.g. UV inks, solvent-based inks, 2-K inks, solvent-free inks).

High quality standard

nyloprint® printing plates are manufactured according to DIN ISO 9001 and DIN ISO 14001 standards and requirements. This process guarantees our customers consistent high quality products and services.

You are welcome to contact us for further information.

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