Be brilliant.

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 CO_2, 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
+ Suitable for high run lengths

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

XSYS
Print solid. Stay flexible.

nyloprint® DLE S

	nyloprint® DLE S
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Technical characteristics	
Base material	Steel
Colour of raw plate	black
Total thickness (mm) (inch)	0.34 0.013"
Plate hardness (Shore D)	92
Relief depth (mm) (inch)	0.030 0.001"
Tonal range (%) at screen ruling of	2 - 95 150 L/cm (380 LPI)
Predrying (at 60°C - 80°C) prior to the printing process	min. 10 min

Processing Equipment	
Suitable laser types	CO_2, 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 thinner and retarder for pad printing inks. Water and water based cleaning agents are not suitable.
Storing information	nyloprint® DLE S plates should be stored and packed so that they are protected against air humidity. 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).
High quality standard	nyloprint® printing plates are manufactured according to DIN ISO 9001, DIN ISO 14001 and DIN ISO 50001 standards and requirements. This process guarantees our customers consistent high quality products and services.

Please contact us for additional information.

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