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nyloprint®

nyloprint® S

Alcohol washable gravure plate for high print quality

Product features

- **Wide range of applications**
 - Photopolymer gravure plate for high quality pad printing, suitable for printing on promotional and industrial products
 - nyloprint® S 43 and S 58 also suitable for letterset, form printing on continuous letterset presses, label printing, metal sheet printing, sheetfed and rotary letterpress printing
 - nyloprint® S 58 can also be used as a female die for blind embossing
- **High print quality**
 - Screen ruling up to 305 lpi (120 L/cm); S 43 and S 58 for letterpress up to 137 lpi (54 L/cm)
 - Excellent solid density due to brilliant ink transfer
 - Reliable and reusable for repeat orders
 - High durability, suitable for high run lengths
- **Efficient, consistent and fast plate processing**
 - Wide exposure latitude
 - Highly productive and cost effective due to plate processing within 40 – 50 min

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	nyloprint® S		
	30	43	58
Technical characteristics			
Base material	steel		
Colour of raw plate	green		
Total thickness (mm) (inch)	0.30 (0.012")	0.43 (0.017")	0.58 (0.023")
Plate hardness (Shore D)	96	90	86
Relief depth (mm) (inch)	0.03 (0.001")	0.20 (0.008")	0.32 (0.013")
Tonal range (%) for gravure printing at screen ruling of	5 – 95 120 l/cm (305 lpi)	5 – 95 120 l/cm (305 lpi)	5 – 95 120 l/cm (305 lpi)
Tonal range (%) for letterpress at screen ruling of	-	2 – 95 54 l/cm (137 lpi)	2 – 95 54 l/cm (137 lpi)
Distortion factor (mm) (inch)	-	2.08 (5.28")	2.90 (7.37")

Processing parameters¹			
Main exposure (min) to be tested	1.0 – 5.0	1.0 – 5.0	1.0 – 5.0
Washout time for pad printing	1 – 2	1 – 2	1 – 3
Washout time for letterpress	-	> 3	> 4
Washout temperature	20 °C / 68 °F	20 °C / 68 °F	20 °C / 68 °F
Drying time at 80 °C / 176 °F (min)	15	15	15
Post exposure (min)	2 – 3	2 – 3	2 – 3

¹ All processing parameters depend on, among others, the processing equipment and lamp age. The above mentioned processing parameters were established under optimum conditions on nyloprint® processing equipment. Under other conditions the processing times can differ from these. Therefore the above mentioned values are only to be used as a guide.

- Suitable equipment** nyloprint® S plate can be processed with nyloprint® processing equipment and all similar devices.
- Printing inks** Suitable for commonly used pad printing inks (e.g. UV-inks, solvent-based inks, 2-K inks).
- Washout medium** For the washout the solvent nyloprint® R241 np is needed.
- Processing information** A detailed description of the individual platemaking steps, as well as detailed information about processing and storing can be found in the nyloprint® User Guide.
- 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 ensures our customers consistent high quality products and services.

Please contact us for additional information.

Flint Group, Sieglestr. 25, 70469 Stuttgart, Germany • T +49 711 9816 389 • info.flexo@flintgrp.com • www.flintgrp.com

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