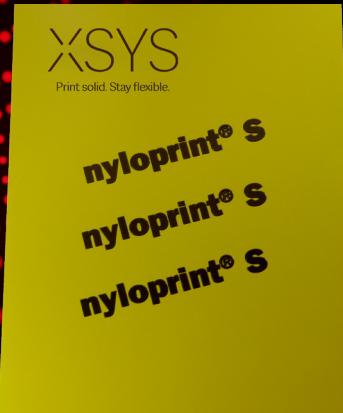


Be
brilliant.

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® S43 and S58 also suitable for letterset, form
printing on continuous letterset presses, label printing, metal
sheet printing, sheetfed and rotary letterpress printing
- + nyloprint® S58 can also be used as a female
die for blind embossing

+ Efficient, consistant and fast plate processing

- + Wide exposure latitude
- + Highly productive and cost effective due to
plate processing within 40-50 min

+ High print quality

- + Screen ruling up to 305 lpi (120 L/cm); S43 and S58 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

XSYS
Print solid. Stay flexible.

Where printing meets packaging.

nyloprint® S

nyloprint® S

	30	43	58
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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

Processing Equipment

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.
Certification	XSYS printing plates are produced at Willstätt production site, which is certified according to international standards for quality management (DIN EN ISO 9001:2015), environmental management (DIN EN ISO14001:2015) and energy management (DIN EN ISO 50001:2018).

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.

Please contact us for additional information.

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