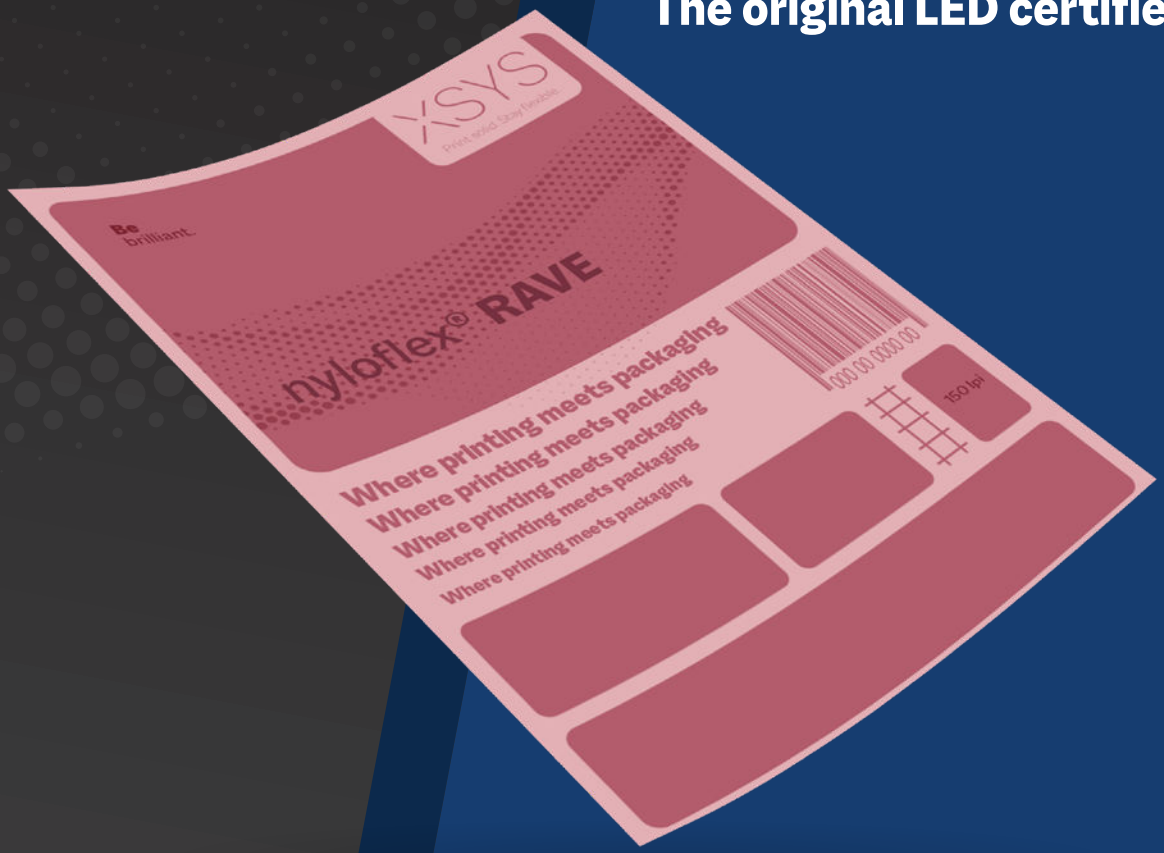
XSYS

Print solid. Stay flexible.

# nyloflex®
# RAVE

**The original LED certified plate**




Be brilliant.

# SUPERIOR PRINT QUALITY AND EFFICIENCY

- **High durometer plate** for flexible packaging, especially designed for Lux Lamination & LED exposure technologies.
- **Increased image sharpness with finer highlights,** crisp text and reverses.
- **Vesatile:** One plate for All applications.
- **Longer durability** thanks to less plate swelling on press.
- **Up to 25% reduction** in ink consumption in combiantion with woodpecker surface screening.
- **Outstanding durability** & drape.

# RELIABLE PRODUCTIVITY AND DURABILITY

- **Long run life,** durability and stability during printing, especially under high press speed conditions.
- **High Ozone** Resistance.


Be brilliant.

nyloflex®

# RAVE

- Smooth Plate surface to optimise performance when using surface screening technologies.
- Proven compatability with LUX Lamination & LED systems.
- Requires significantly less dot gain correction

## APPLICATIONS

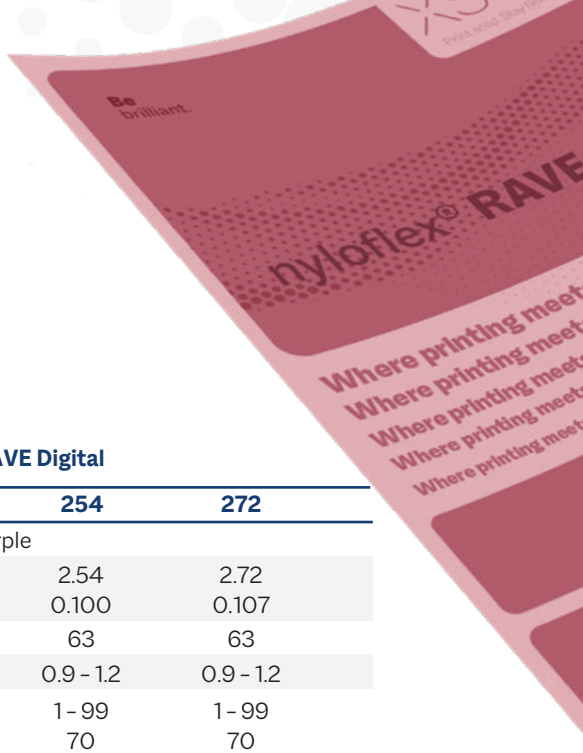
- Flexible packaging.
- Tag and labels.

## ENSURES COLOR CONSISTENCY OF YOUR BRAND ON THE SHELF

nyloflex®

# RAVE Digital

## The original LED certified plate




| | nyloflex® RAVE Digital | | | |
|---|---|---|---|---|
| **Technical characteristics** | **114** | **170** | **254** | **272** |
| Colour of raw plate | Purple | | | |
| Total thickness (mm)[1] | 1.14<br>0.045 | 1.70<br>0.067 | 2.54<br>0.100 | 2.72<br>0.107 |
| Plate hardness (micro Shore A) | 78 | 71 | 63 | 63 |
| Recommended relief depth (mm) | 0.5 – 0.7 | 0.6 – 0.9 | 0.9 – 1.2 | 0.9 – 1.2 |
| Tonal range (%)<br>at screen ruling (L/cm) | 1 – 99<br>70 | 1 – 99<br>70 | 1 – 99<br>70 | 1 – 99<br>70 |
| Fine line width (down to µm) | 75 | 75 | 100 | 100 |
| Isolated dot diameter (down to µm) | 100 | 100 | 150 | 150 |

| **Processing parameters[2]** | | | | |
|---|---|---|---|---|
| Back exposure (s) | 60 – 100 | 80 – 120 | 240 – 260 | 240 – 260 |
| Main exposure (min) | 10 – 15 | 10 – 15 | 10 – 15 | 10 – 15 |
| Post exposure (UV-A) (min) | 8 | 8 | 8 | 8 |
| Light finishing UV-C (min)[3] | 5 - 10 | 5 - 10 | 5 - 10 | 5 - 10 |

### Processing information

**Suitable equipment** The nyloflex® RAVE D can be processed with nyloflex® processing equipment and all similar devices. The nyloflex® RAVE Digital can be used with all laser systems suitable for imaging flexo printing plates.

**Printing inks** Suitable for all UV[4], water based and solvent based printing inks[4] (ethyl acetate content preferably below 15%, ketone content preferably below 5%).

**Processing information** A detailed description of the imaging, exposure and finishing steps, as well as detailed information about handling and storing, can be found in the nyloflex® User Guide.

**Certification** XSYS Photopolymer Products are manufacturing and distributed from Morristown, TN Production site, which is certified according to international standards for quality management (DIN EN ISO 9001:2015), and environmental management (DIN EN ISO14001:2015).

1) Standard thicknesses currently available – subject to change 2) All processing parameters depend on, among other things, the processing equipment, lamp age and the type of washout solvent. A minimum exposure intensity of ≥ 17 mW/cm² is recommended. The above mentioned processing times were established under optimum conditions in our technical center. The standard test file with 149lpi was imaged at 4000DPI using a ThermoFlexX imager, 20 mW/cm² bank exposure, using nylosolv® A / SOLVIT® washout solvent and nyloflex® and ThermoFlexX Catena plate 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. 3) Depending on longevity of the tubes. 4) Suitability with UV inks is dependant on the ink type and temperature – these factors could affect the performance of the plate and consistency of the print.

**Please contact us for additional information.**
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