



TESLIN
Enabling Substrate Technology from PPG

This Printing Technology Chart is designed to help end users identify the suitable TESLIN® substrate grade for their printing process. The information shared below is based upon print tests conducted by OEMs as well as customer experience and feedback. For added assurance that you have selected the optimal product grade, please contact PPG for a recommendation of which grade is best for your application and print technology requirements at TeslinSales@ppg.com. Qualification of individual processes and equipment is the responsibility of the end user. PPG gives no guarantees and strongly advises that tests are performed to ensure suitability.

Key to rating:

0 = not tested
1 = works
2 = preferred
NR = not recommended or not required

	SP 600	SP 700	SP 800	SP 1000	SP 1200	SP 1400	SP1800	TS600	TS700	TS800	TS 1000	TS 1200	TS 1400	HD 1400	SPID 1000	SPID 1400	Digital 1000 ⁵	IJ 1000 WP
Offset Lithography, Sheet Fed¹	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	NR
Offset Lithography, Web Fed¹	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	NR
Flexography²	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	NR
Gravure	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	NR
Intaglio	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	NR
Thermal Mass Transfer³	1	1	1	1	1	1	1	1	1	1	1	1	1	1	NR	NR	1	NR
Laser Printer, B&W	1	1	1	1	1	1	NR	2	2	2	2	2	2	NR	2	2	1	NR
Laser Printer, Color, Fuser oil based	NR	NR	NR	1	1	1	NR	NR	NR	NR	1	1	1	NR	2	2	1	NR
Laser Printer, Color, Fuser oil free	1	1	1	1	1	1	NR	2	2	2	2	2	2	NR	2	2	1	NR
Inkjet, Dye-based Inks	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	2
Inkjet, Pigment-based Inks	2	2	2	2	2	2	2	2	2	2	2	2	2	2	NR	NR	1	1
Digital Presses⁴	1	1	2	2	2	1	NR	1	1	2	2	2	1	1	NR	NR	1	NR

Footnotes:

- ¹ Offset printing inks should be slow setting, < 4% VOC content, tack of 12 @ 1200 rpm. Please contact PPG for complete offset guidelines.
- ² Either water or solvent inks can be used. Pre-treatment with primer might be needed when using UV inks. A coarse line (150-175) anilox roll (high well volume) is recommended for sufficient ink densities.
- ³ Wax or Wax/Resin ribbons give best results.
- ⁴ Please refer to Teslin® substrate Digital Printing Compatibility Matrix for more detailed information.
- ⁵ Recommended when higher stiffness is required.

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