

AFP SF/DSF Solid Polymer

The AFP-SF/DSF is Asahi's medium hard plate for good highlights combined with excellent ink transfer onto all substrates. Its optimized balance of solid ink density and highlight dot printing produces incomparably good ink coverage with low dot gain in the mid tones and brilliant highlights. This can be achieved at maximum printing speeds. The AFP-SF/DSF plate can be used for most flexographic applications with particular suitability for flexible packaging printing on film and paper with solvent or water based inks. The ASAHI AFP-SF/DSF elevates printing results to a new level of quality. The superb ink transfer and excellent resolution offer crucial advantages for quality-conscious printers.

The product advantages in detail:

- ▶ The excellent ink transfer results in superlative solid coverage.
- ▶ The printability is particularly suitable for substrates that meet the ever increasing packaging cost quality ratio expectations
- ▶ Superbly balanced reproduction of large tonal areas, text and halftone elements
- ▶ The wide exposure latitude enables consistent results
- ▶ Steep relief shoulders and very good intermediate depths allow reverse elements
- ▶ High ozone resistance facilitates plate storage
- ▶ The plate's high flexibility makes it possible to print with small-diameter cylinders
- ▶ The plate is the perfect choice for solvent and water ink printing applications where solid ink transfer in harmony with fine highlights dots is the focus.



	SF/DSF 1.14 mm	SF/DSF 1.70 mm	SF/DSF 2.54 mm	SF/DSF 2.84 mm
Shore A Hardness	74	62	56	54
K factor	5.98	9.89	15.17	17.05
Resolution analogue	150 lpi / 1-95%	150 lpi / 1-95%	150 lpi / 1-95%	150 lpi / 1-95%
Resolution digital	175 lpi / -95%	175 lpi / -95%	175 lpi / -95%	175 lpi / -95%
Isolated line / μ	80	80	80	80
Isolated dot / μ	150	150	150	150

The AFP-SF/DSF flexo plates can be produced in all Asahi AFP processing systems or corresponding processing equipment.

The plate is exposed on the back to produce the desired relief depth and achieve maximum sensitivity to UV light. After removal of the protective film, the main exposure is carried out. When an AFP-D(igital)SF type is used, the removal of the protective film is followed by laser imaging with a commonly available YAG, diode or fibre laser.

Then the plate is exposed, dried and finished by UVC and UVA light to ensure the optimum properties of the print-ready plate.

AFP-SF/DSF plates feature excellent compatibility with commonly used solvent- and waterbased ink systems.