

AFP™-SE/DSE

Solid Photopolymer



The AFP™-SE/DSE Flexo plate satisfies the severest criteria of quality in printing corrugated board, solid board and heavy-duty bags.

The surface unevenness of the printing material is compensated by the ideal shore hardness and the resilience characteristics of the AFP™-SE/DSE plate. The plate's dimensionally stable polyester base sheet compliments the printing quality achievable with the AFP™-SE/DSE. The wide exposure latitude of the AFP™-SE/DSE plate ensures that image elements like tones and isolated lines are optimally anchored even with a relief depth of 3 mm. At the same time, intermediate depths form evenly and the relief is produced with steep shoulders.

In platemaking and printing, the AFP™-SE/DSE plate can be relied on for:

- Low dot gain printing
- Excellent ink transfer
- Optimized plate resilience to minimize the washboard effect
- Wide exposure latitude
- Optimized durability for high aggressive papers
- Large cleaning intervals
- Optimum intermediate depths
- Steep relief shoulders
- High flexibility
- High mechanical resistance

	AFP™-SE/DSE						
Thickness / mm	2.84	3.94	4.32	4.70	5.00	5.50	6.35
Hardness / Shore A	39	35	34	34	33	33	33
K factor	17.05	23.97	26,36	28,75	30,63	33,77	39.11
Resolution 120 lpi conventional	3–95%	3–95%	3–95%	3–95%	3–95%	3–95%	3–95%
Resolution 120 lpi digital	2–95%	2–95%	2–95%	2–95%	2–95%	2–95%	2–95%
Isolated line / µm	150	150	150	150	150	150	150
Isolated dot / µm	200	200	200	200	200	200	200

The AFP™-SE/DSE 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)SE 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™-SE/DSE plates feature excellent compatibility with commonly used solvent- and waterbased ink systems.

After printing, the plates should be thoroughly cleaned. Direct exposure to sunlight and heat during storage is to be avoided.