

ARFA Plate



DOP-T/L Processless Thermal Plate

Convenient to Use & Easy to Transform

Users can easily upgrade existing plate to ARFA DOP-T/L Thermal Plate without purchasing new equipment or changing the existing workflow, which can truly realize the plate making operation in the bright room and can be operated safely under fluorescent lamps.

Obvious Visual Contrast

ARFA DOP-T/L Thermal Plate has high contrast in plate making, and the graphics are clear and visually obvious after exposure. Users can easily see the most subtle details, which is convenient for customers to easily realize automation.

Good Development Performance

ARFA DOP-T/L Thermal Plate has fast development speed on the press, good development latitude, which can quickly achieve ink-water balance in the printing process and consume a small amount of over plate papers.

Fast Sensitivity & High Efficiency

The sensitivity of ARFA DOP-T/L Thermal Plate is up to 120mJ/cm², and the plate-making speed is faster. In addition, no development is required and the plate-making cycle is shortened, making it more efficient.

Good Scratch Resistance & Long Run Length

ARFA DOP-T/L Thermal Plate has a strong base and coating, so the printing plate has excellent performance of long run length and scratch resistance, which can easily meet the tasks of medium and long printing runs.

Energy Saving & Green and Environmental Protection

ARFA DOP-T/L Thermal Plate subtracts the developing process, reduces the consumption of pre-printing water and cleaning water. It also decreases the energy consumption of the processing machine, the generation of waste in the development process and the problem of waste disposal, saving energy and reducing consumption.

Reduce Costs & Improve Efficiency

ARFA DOP-T/L Thermal Plate eliminates the plate processing and reduces the generation of waste during printing, therefore, it saves water, energy, time, space and the purchase costs of the developing machine, reduces costs of labor and machine maintenance, and saves treatment costs of waste fluid.





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Technical Specifications

Plate	Non-ablative, thermal, negative plate.
Application	High quality run sheet fed, heat set web, offset packing (non UV) and short-run UV application.
Substrate	Electrochemical grained and anodized aluminum substrate.
Gauges	0.15mm, 0.27mm, 0.3mm and 0.4mm.
Spectral sensitivity	820-840nm.
Platesetters	Compatible with platesetters from major suppliers.
Laser energy required	120-130mj/cm ² , dependent on image type, configuration and resolution.
AM resolution	1 to 99%@200lpi. Dependent upon capability of imaging devices.
FM resolution	20-micron stochastic. Dependent upon imaging device capabilities, print application, and screening algorithms.
Run length	<ul style="list-style-type: none">● Up to 200,000 impressions with heat-set/commercial cold-set web presses.● Up to 100,000 impressions with sheet fed presses.● Up to 50,000 impressions for offset packaging (non UV).● Up to 20,000 impressions for UV-ink applications. Dependent upon image resolution, press, press chemistry, ink, and paper conditions.
Safelight	The plate can be handled before and after imaging safely for: safe light limits @ 800 lux. <ul style="list-style-type: none">● 2 hour under daylight lamp without natural light.● 24 hours under yellow light.
Shelf life	10 months, under recommended storage conditions.
Storage conditions	Temperature: 18-24°C, RH: 30-50%.