

PUTTING KNOWLEDGE TO PRESS®

LOTUS 45P

VIOLET POSITIVE COMPUTER TO PLATE



TECHNICAL SPECIFICATIONS

Plate	Lotus 45P is a bright green, single layer, positive working UV sensitive plate with wide operation latitude for medium print lengths. It can be post-baked to provide long run on press with aggressive press chemistry, such as UV inks and blanket washers
Gauges	0.15mm (0.006"), 0.20mm (0.008"), 0.25mm (0.0098"), 0.30mm (0.012") and 0.40mm (0.015")
Platesetters	Any suitable internal drum, external drum and flat-bed platesetters
Spectra sensitivity	350 - 450nm with the peak sensitivity at around 400 nm
Laser power	40 - 70 mW
Screen reproduction	1% - 99% at 200lpi
Resolution	Up to 3200 DPI and stochastic (FM) screen 20 microns
Image print-out	Dark brown
Processors	Any suitable processors for use with positive plates
Developers	Ready to use GSP85 or GSP500 with different dilutions
Developer temperature	23°C (±1°C)
Development time	25 seconds (± 5) in immersion
Replenishers	Ready to use GSP85 Developer or GSP500 Developer with different dilutions Replenishing rate between 60 and 120ml/m ²
Finishers	Recommend to use the ML140G Plate Finisher
Baking conditions	Apply ML140B Baking Gum before baking <ul style="list-style-type: none">• Static oven: 220 - 230°C for a duration of 3 to 5 minutes• Online oven: 240°C for a duration of 4 minutes
Print length	50,000 to 100,000 impressions with unbaked plate Over 500,000 impressions with post baked plate (Actual print length may vary according to press, ink and paper conditions)
Safe light	Strongly recommend to handle the Lotus 45P plate under safety yellow light and low UV radiation
Shelf life	12 months under recommended storage conditions
Packaging	Available in all standard formats, including bulk and Auto Pallet Loader (APL)
Transport and storage	Closed plate packs should be stored flat away from excessive cold, heat and humidity. Recommend to store in a controlled environment at 10 - 25°C and 40 - 80% relative humidity
Prepress chemicals	Ready to use GSP85 , GSP500 , ML140G and ML140B are available from Mylan Printing Media Corporation
Availability	Please contact us for information on product availability and local distributors