

ISO-9001:2008
ISO-9001 Approved



Huaguang Flexographic Printing Plate

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Features of Huaguang Flexographic Printing Plate

- Green Product, suitable for water base ink
 - Optimal hardness and flexibility
 - Excellent dot and isolated line reproduction
 - Solid printing performance
 - High latitude of exposure and processing
 - Good ink transfer
 - High impression.
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Characteristics of Huagang Flexographic Printing Plate

Type	R-394	R-284	R-228	R-170A	R-170U
Thickness (mm)	3.94	2.84	2.28	1.70	1.70
Rigidity(Shore A)	38-45	50±2,60±2	53-56	60±2, 67±2	60±2, 67±2
Recommended relief depth (mm)	1.8-2.0	1.0-1.2	1.0-1.1	0.7-0.9	0.7-0.9
Image reproduction	5%~95%	2%~95%	2%~95%	2%~98%	2%~98%
Maximum line (line / inch)	100	120	133	150	150
Minimum isolated line	0.30mm (0.0118inch)	0.175mm (0.0068inch)	0.10mm (0.004inch)	0.10mm (0.004inch)	0.10mm (0.004inch)
Minimum isolated dot	0.50mm (0.0197inch)	0.25mm (0.01inch)	0.15mm (0.006inch)	0.15mm (0.006inch)	0.15mm (0.006inch)
Suitable ink	Suitable for water and alcohol-based ink, incompatible with oil-based ink, hydrocarbon solvent or the ink containing ethyl acetate of more than 25%				Suitable for UV ink, some tested solvent inks, besides water and alcohol-based ink
Mainly applicable field	Corrugated board, thick board	Corrugated board, thick board	Label, flexible package, carry bag, folded paper box and beverage package	Film, label, flexible package, carry bag, folded paper box	Film, label, flexible package, carry bag, folded paper box and beverage package
Maximum Size	1200x2032mm (47.2x80 inches)	1200x2032mm (47.2x80 inches)	1200x2032mm (47.2x80 inches)	1270x2032mm (50x80 inches)	1270x2032mm (50x80 inches)
Storage-raw plates	Unexposed plates should be stored in cool areas (4-32°C) away from heat. The plates must be placed flatly, and protected from contacting UV light. It is recommended to unpacked and handled in yellow light.				
Storage-finished Plates	Printing plate should be avoid excessive white light, irradiating from sunlight and exposing in high concentrated ozone environments for a long time either. After being unloaded, the plates should be cleaned thoroughly.				
Guarantee Period	Under the recommended storage condition, guarantee period for Huagang Flexographic Printing Plate is for 12 months.				

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Type	R-394	R-284	R-228	R-170A	R-170U
Thickness(mm)	3.94	2.84	2.28	1.70	1.70
Back exposure (seconds)	20-60	20-40	20-40	20-60	30-80
Main exposure (minutes)	5-20	5-20	8-20	8-20	8-20
Rinsing (minutes)	5-7	5-7	5-7	5-7	5-7
Minimum drying time (hours)	1.5-2	1.5-2	1.5-2	1.5-2	1.5-2
Detackfying(minutes)	8-15	8-15	8-15	8-15	8-15
Post exposure (minutes)	5	5	5	5	5

Marks: All the above data is depended on the plate-making device in Lucky Huagang. Due to the different requirements of plate-making device, the above recommended time can be changed suitably. Customers should do test on their own device for optimum plate quality.



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