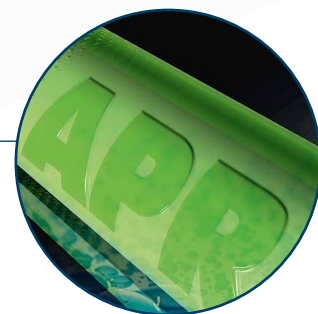


APR™ - Photopolymer resin

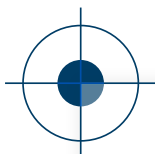
Liquid Photopolymer



APR™ liquid polymer resin are used in flexo printing plates and are suitable for virtually all applications in corrugated-board printing. Their special benefit is fast, economical processing, and since they are processed without the use of solvent, they are particularly compatible with the environment.

The APR™ system comprises two basically different types of polymer, which in turn are divided into different categories of Shore hardness: the softer base polymers compensate for any irregularities of the cylinders and the corrugated board to be printed; the hard capping polymers ensure sharp-contour image transfer combined with extremely low dot gain.

APR™ resins are processed in equipment systems developed by Asahi Photoproducts



Base Polymers

Asahi has several photopolymer types available for the user to choose from, differing in their printing properties.

They differ particularly in the characteristic of Shore hardness, which is in each case ideally suited to the specific requirements of a wide variety of corrugated-board qualities.

Capping Polymers

Here again, the choice is between several photopolymer types.

Each of the capping polymer types is suited in its properties to the particular base polymer type it is to be used with. They influence the results in printing on any quality of corrugated board. Dot sharpness and dot shape, tonal value range and intermediate depths satisfy all demands on quality.



APR™ - Photopolymer resin

Liquid Photopolymer



Basic Polymere

	Shore A	Repro	Wash out solution			Ink compatibility
			Water	Neutral soap	Defoamer	
APR™ F48	+/- 38	3%-90% 120 lpi	98%	2%	0,2%	Water based inks (max.6% alcohol contents), Oil based inks
APR™ F400	+/- 27	3%-90% 120 lpi	98%	2%	0,2%	Water based inks (max.6% alcohol contents), Oil based inks
APR™ F500 (with Fc550 cap)	+/- 18	3%-90% 120 lpi	98%	2%	0,2%	Water based inks (max.6% alcohol contents), Oil based inks
APR™ HybridaA (H-100)	+/- 28	2%-95% 120 lpi	98%	2%	0,2%	Water based inks (max.6% alcohol contents), Oil based inks

Capping Polymere

	Shore A	Repro	Capping layer thickness	Wash out solution			Ink compatibility
				Water	Neutral soap	Defoamer	
FC 50	+/- 45	2%-90% 133 lpi	0,25mm	98%	2%	0,2%	Water based inks (max.6% alcohol contents), Oil based inks
FC 939	+/- 56	2%-90% 133 lpi	0,25mm	98%	2%	0,2%	Water based inks (max.6% alcohol contents), Oil based inks
F 550 C	n/a	n/a	0,25mm	98%	2%	0,2%	Water based inks (max.6% alcohol contents), Oil based inks
HybridaC (HC-100)	+/- 31	2%-95% 133 lpi	0,25mm	98%	2%	0,2%	Water based inks (max.6% alcohol contents), Oil based inks