

TECHNICAL DATASHEET

DEMPOL ACP 80

VERY SOFT FLEXIBLE BINDER FOR OPP & LAMINATION,

DEMPOL ACP 80 IS AN AQUEOUS PLASTICIZER-FREE FINE DISPERSION OF ACRYLIC/ACRYLIC ESTER COPOLYMER EMULSION . IT IS SUITABLE FOR USE ON HOT SYSTEM HIGH SPEED AUTOMATIC LAMINATION MACHINES.

EMULSION PROPERTIES

Type of Polymer	: Acrylic-Acrylic Copolymer Dispersion
Solid Content (%)	: 45 ± 1
pH (at 25°C)	: 5 - 6
Particle Size (micron)	: 0.2 - 0.4
Viscosity (Brookfield DV-II +) (at 25°C)	: < 200 mpa.S (spindle:2/20 rpm)
Stabilizing System	: Anionic- Nonionic
Free Monomer Content (%)	: <0.3
Density (at 25°C)	: 1.04 -1.07 (gr/ml)
Minimum Film Forming Temperature	: -5°C (±1)
Film Appearance (at 25°C)	: Clear,very flexible ,tacky
Glass Transition Temperature (°C)	: - 22

APPLICATIONS

DEMPOL ACP 80 is an adhesive which when dry transparent, tacky film. Can be applied for lamination of film (e.g. aluminium, polypropylene).

OPP LAMINATIONS :

DEMPOL ACP 80 is a high performance, water based OPP lamination adhesive

DEMPOL ACP 80 is suitable for use on hot system high speed automatic lamination machines.

DEMPOL ACP 80 can be used for manual applications by increasing its viscosity by adding ammonium hydroxide solution.

DEMPOL ACP 80 lamination adhesive;

- Increase's color brightness in color prints.
- Has excellent adhesive strength
- No cracks occur when bent or handled roughly.
- Aids your machines high speed performance, depending on the paper size & paper quality

FEATURES

- Self-Crosslinking by the application of heat.

COMPATIBILITY

- Compatible with the anionic and nonionic dispersions in our product line,
- Compatible with DEMPOL SA 65 (Acrylic Thickener)
- Compatible with catalysts (e.g. ammonium nitrate or maleic acid) accelerate the crosslinking reaction.

SAFETY

PERSONAL PROTECTION : Wear suitable protective clothing , gloves and glasses for eye / face protection.

SKIN CONTACT : Wash skin as soon as possible with plenty of water.

EYE CONTACT : Flush immediately with plenty of water ,keeping eyelids open , for at least 15 minutes. Remove contact lenses . Seek for medical assistance.

HANDLING & STORAGE

HANDLING : Ventilate the working place thoroughly. Avoid contact with skin, eyes and clothes. No eating and drinking in the work place.

STORAGE : Stable for 12 months , in close drums at ambient temperature (+5 / +40°C) avoid freezing temperatures and sources of heat and direct sunlight.

NOTE

The above information is based on our knowledge and experience. In view of many factors that may affect processing and application, these data do not relieve end-users from the responsibility of carrying out their own tests and experiments.