

TECHNICAL DATASHEET

DEMPOL T 20

PAPER, CARDBOARD AND LAMINATION ADHESIVE

DEMPOL T 20 AN AQUEOUS DISPERSION OF PLASTICIZED POLYVINYL ACETATE
EMULSION

EMULSION PROPERTIES

Type of Polymer	: Polyvinyl Acetate Homopolymer
Solid Content (%)	: 51 - 52
pH (at 25°C)	: 4 – 5
Particle Size (micron)	: 0.5 – 1.5
Viscosity (Brookfield DV-II +) (at 25 °C)	: 2500 - 3500 mpa.S (spindle:4/20rpm)
Stabilizing System	: PVAL, Anionic
Free Monomer Content (%)	: <0.3
Density (at 20°C)	: 1.05 - 1.1 (gr/ml)
Minimum Film Forming Temperature (°C)	: + 5 (±1)
Film Appearance (at 25°C)	: Clear, flexible
Glass Transition Temperature (°C)	: +29

APPLICATION

DEMPOL T 20 is an aqueous dispersion of polyvinyl acetate homopolymer emulsion, having 52 % solid content with a high bonding strength

DEMPOL T 20 is a plasticized, polyvinyl acetate based adhesive which gives perfect results on all types of paper, cardboard and lamination etc.

It is specially used as adhesive for cardboard box industry. Since it does not contain any filler, it gives clear and flexible films when dried. It has a strong binding power, as the solid content is completely active material.

Although the most common problems of all adhesives are to turn yellow and smell of non-polymerized monomer, DEMPOL T 20 does not exhibit both problems due to its high stabilizer content. Its binding force is very high.

Conventional defoamers can be used for inhibiting foam formation.

Eventhough DEMPOL T 20 is protected from microorganisms. It is required to add antibacterial agents to the finished products to ensure good storage stability.

Adhesive should be stirred before applying on to the surface.

FEATURES

- Good heat stability
- Clear and flexible film
- High adhesion ability
- High bonding strength.
- Low Viscosity

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.