

TECHNICAL DATASHEET

DEMPOL PSYN

PRESSURE-SENSITIVE ADHESIVE FOR TAPES, LABELS AND PRINTING BLANKETS

DEMPOL PSYN IS AN STYRENE -ACRYLIC ACID ESTER COPOLYMER.IT IS A PRESSURE SENSITIVE ADHESIVE FOR TAPES , LABELS AND PRINTING BLANKETS.

EMULSION PROPERTIES

Type of Polymer	: Styrene/Acrylic Acid Ester Copolymer
Solid Content (%)	: 56 ± 1
pH (at 25°C)	: 3.5 - 7
Particle Size (micron)	: 0.3 - 0.5
Viscosity (Brookfield DV-II +) (at 25 °C)	: 7000 - 15000 mpa.S (spindle:6/10 rpm)
Stabilizing System	: Anionic
Free Monomer Content (%)	: <0.3
Density (at 20°C)	: 1.0 - 1.05 (gr/ml)
Minimum Film Forming Temperature (°C)	: - 5
Film Appearance (at 25°C)	: Clear,very flexible,sticky
Glass Transition Temperature (°C)	: -38.27

APPLICATION

DEMPO PSYN is used in the manufacture of pressure sensitive adhesives for tapes, labels and printing blanket.

DEMPOL PSYN is an adhesive which when dry and completely free from solvent, possesses a lasting and aggressive tack, enabling to adhere to a wide variety of substrates upon contact.

It is possessing good adhesive features even at low temperatures and in comparison without sensation to water. Adhesion ability very well to PVC , polyethylene and polypropylene films even without an adhesion promoter.

It is specially recommended for production of multi-purpose adhesives suitable for PVC, tapes , labels and printing blankets etc.

Conventional defoamers can be used for inhibiting foam formation.

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

FEATURES

- High tack
- Good peel-strength
- Good heat stability
- Good quick grab
- High adhesion ability.

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.