

HEMACOL –LM

LAMINATION ADHESIVE

CHEMICAL NATURE

HEMACOL –LM is a Vinyl Acetate copolymer emulsion stabilized with the help of protective colloid and Anionic/Nonionic type emulsifiers. HEMACOL -LM has been exclusively developed to suit the requirements of paper lamination & thus it is suitable for machine application, giving crystal clear film and without any wrinkling, cracking, fish-eyes & such other effect.

USES

HEMACOL-LM is used for laminating cellulose acetate paper, polyester, polyethylene, polystyrene, polypropylene & PVC films over paper, cardboard, wood etc.

In addition to paper lamination this can be used for pvc to cork adhesive, specifically used inside of crown-caps of cold drinks and beer bottle.

COMPATIBILITY

Although HEMACOL -LM is compatible with most of the Vinyl Acetate Emulsion, plasticizers like DBP,DOP,BBP, Tri-cresyle phosphates, thickeners like CMC, HEC, Sodium salt of CMC, Polyvinyl Alcohol & solvents like Toluene, Butyl Acetate etc.

We do not add addition of any such thing in our adhesive except water for adjusting viscosity of the product.

HEMACOL-LM is being supplied with the best properties required for lamination & any addition to this product may deteriorate these properties.

PRESERVATIVES

Necessary biocides have been in HEMACOL -LM to prevent growth of any in can bacteria. Moreover special preservatives have been used to take care of film - preservation of HEMACOL-LM.

STORAGE

HEMACOL-LM is non toxic, non flammable during the storage. Storage stability is excellent. It is advisable to store this material in plastic, glass or metal containers with polyethylene liner, away from direct sunlight.

APPLICATION

Majority of users apply this by roller coating, however for specific uses if required it can be applied by air knife or screen printing methods.

PHYSICAL CONSTANTS/SPECIFICATION

Appearance	: Milky white viscous liquid
Solid content (120oC 1hr)	: 55 + 1
PH	: 4-5
Viscosity (Brookfield RVT spno.5 20 RPM)	: 50-100 Ps
Particle size	: Less than 0.5 micron
Free Monomer content	: Not more than 0.4%
Dry film properties	: Glossy, excellent, clear, very slight tack, flexible
Mechanical stability	: Excellent
Electrolyte stability	: Excellent
pH stability	: 1 to 14
Surface Tension	: 40 + 2 dynes/cm
Covering capacity	: 200 sq. ft/kg minimum
Shelf Life	: If stored under cool & dry place not more than 6 Months.

NOTE : The information given in this technical bulletin is based on data believed to be reliable and is given in good faith. We do not guarantee the results to be obtained nor we assure any liability in this respect.