



TECHNICAL DATA SHEET

TOPS TS-529

Adhesive Emulsion Polymer

TOPS TS-529 is A Polyvinylacetate-Maleate Copolymer.

Properties and applications

TOPS TS-529 presents structural viscosity, that is to say, when increasing the effort of shear diminish viscosity. The compatibility of the dispersion with the loads and pigments is very good. This dispersion can be combined with much type of polymer dispersions, although in each case the compatibility will have to be examined. The good properties of adhesion of the films of **TOPS TS-529** to the most different types from plastic materials allow to use this dispersion like raw material for patches of, for example, polyvinyl spongy chloride laminate, strips and plates, materials, tile of polystyrene for walls, cellulose acetate laminate, etc. in absorbent like, for example, paper, cardboard, wood, paved, textile bottoms etc. By means of suitable additions of resin solutions, dissolve or plasticize, can improve the adhesiveness properties and can eliminate the possible determined difficulties of patch, for example, by sliding agents of the substrates. The films of **TOPS TS-529** present next to a good adhesion, a high cohesion. Due to the favorable transition temperature, the film is still elastic, even to temperature of 0 °C approximately.

Mixing

Transformation of this raw material can be made in mixer facilities like, for example, mechanical agitators.

The combination with:

- Plasticize (for example, ester of carboxylic acid, chlorinated paraffin).
- Dissolve (for example, esters of acetic acid according to DIN 53246 and others after aromatic tests of compatibility, hydrocarbons, halogen hydrocarbons).
- Thickener (for example, polyvinyl alcohol, fumed silica and hydroxy ethyl cellulose).
- Resins (for example, ester of rosin) or resin solutions (for example, rosin in toluene 1:1).
- Filler (for example, calcium sulfite)

It allows the manufacture of adhesives with special characteristics.

TOPS TS-529

Specification

Dispersion Properties

Appearance	White Viscous Emulsion
Polymer Type	Vinylacetate - Maleate
Brookfield Viscosity (RVT #6 speed 10 rpm;25°C)	20,000 – 40,000 cps
Total Solids Content	54.0 – 56.0 %
pH	3.0 – 5.0

Film Properties

Appearance	Clear, Transparent
Surface	Not Tacky

Storage

The shelf life is 12 months in shade off the sun at a temperature from +10 °C to +30 °C.