

POLYPRINT PES Conc.

High quality, high concentration thickener for disperse printing

Properties

- : - is a high quality and high concentration inverse emulsion synthetic thickener for disperse printing with high electrolyte stability.
- is suitable for thickening disperse dyes pastes particularly for printing polyester textiles.
- is compatible with all classes of dyestuff and natural thickeners except Cationic dyestuffs and thickeners due to its anionic charge.
- is fine aqueous dispersion of acrylate in high purity mineral oil which disperses readily in water and rapidly produces smooth pastes.
- ensures sharper and better defined prints, color brightness and yield.
- instantly modifies rheology and viscosity of printing paste formulations.
- provides high color efficiency, sharpness in the designs, vibrant and bright colors, soft handle, easy usage and good fastness are gained.
- is a high quality, APEO and formaldehyde free, high concentration anionic inverse polyacrylate emulsion.
- causes the dried and fixed print paste film to remain flexible which will be easy to remove in normal washing-off process.
- can be utilized in all processes such as flat screen, rotary screen and roller printing system. It is directly added to the paste of printing, so it provides an easy usage.
- helps to adjust the viscosity and prepare the paste easily and gives also higher color efficiency and better contour appearance.
- gives an excellent wash ability and has superior shelf life than the others.

Field of application

- Substrate** : polyester, polyester/cotton
Aggregate : printing machines
Operation : disperse printing

Characteristics

- Type of product** : high quality, APEO and formaldehyde free, high concentration anionic inverse polyacrylate emulsion
Ionic nature : Anionic
Appearance : Beige, fluid dispersion
PH of 1% sol. : 7+/- 1
Density (g/cm³) : 1.19

Application

- Dissolving method** : Simply add to water and stir until the required viscosity is developed.
Guide recipes : Generally, 40 gr/kg in the printing pastes are used for direct preparation and 30 gr/kg for stock preparation. It must be stirred before using.

Preparation of print paste for Disperse printing :

Water	up to 1000 gr
Non-Volatile organic acid (Citric acid or Tartaric acid at pH 3.5/4.0)	0.40 - 0.50 gr
Disperse dyes	x gr
Polyprint PES Conc.	40 - 45 gr

	1000 gr

It is advised to prepare the paste without dyes by adding 30-40 gr/kg **POLYPRINT PES Conc.** and add the rest of the thickener after adding the dyestuffs to provide desired viscosity.

The prints are given a dry heat or steaming fixation treatment which is done according to the usual conditions of disperse printing.

Storage stability : 12 months in the original container and should be stored between 5-30°C .

As the product may deposit in the container, it should always be stirred up before use. The product, in principle, be kept away from frost and direct exposure to sunshine. Opened containers must be closed again tightly.

The indications given herein correspond to practical experiences. Owing to the differences in local conditions they cannot claim to be complete, so that any liabilities - also with a view to claims of third parties - are excluded.