

POLYZOL AMG

Dye-migration inhibitor for Pad Thermosol processes

- Properties** :
- is effective anti-migrant for dye dispersions.
 - is suitable for use with disperse, vat or pigment colors.
 - is compatible with anionic and nonionic compounds.
 - improves surface levelness and surface appearance of the goods.
 - leaves no tracky film on guide rollers in thermo-soiling drying units.
 - has no effect on fastness properties of dyeing and because of washing off easily, hence no effect on handle.
 - is resistant to acids, alkaline, electrolytes and water hardness in usual amounts.
 - can not be used together with cationic substances.

Field of application

- Substrate** : polyester, polyester/cellulose blends.
- Aggregate** : continuous, Pad applications.
- Operation** : continuous dyeing of polyester, Pad dyeing of polyester/cellulose blends.

Characteristics

- Type of product** : aqueous solution of a polyacrylic acid derivative.
- Ionic nature** : anionic
- Appearance** : colourless viscous liquid
- pH** : 6-8
- Density** : 1.0 g/cm³

Application

Dissolving method : is miscible by stirring with cold or warm water in all proportions easily.

Polyzol AMG and an anionic wetting agent are added to the pad liquor together with the disperse dyes or pigments and the pH adjusted 5.5-6.0 with acetic acid. It can be used in pad-steam and pad-jig dyeing to improve appearance of the dyeing.

The amount of product required varies considerably depending on the type of fabric being dyed and the dyes employed. When dyeing cotton/polyester blends increasing amount of **Polyzol AMG** is required as the proportion of polyester in the blend increases, 100% polyester requiring the highest concentration of migration inhibitor. Dye concentration also has an influence on **Polyzol AMG** concentration required; although to lesser extent than the dyes themselves, increasing amount of **Polyzol AMG** being required; as the depth of shade is increased for any given dye.

Guide recipes : 5.0 – 15 g/l **Polyzol AMG**

Storage stability : 12 months in closed containers at 20°C.

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.