

# POLYDEEP CV

## Dyeing accelerator for natural, synthetic and their blends fibers

- Properties** : - is a dyeing accelerator for dark dyed polyester which increases the depth of the color.
- offers in addition to its main function a softening effect and improves sew-ability.
  - brings excellent jet-black effect on most natural and their blends with synthetic fibers.
  - forms a cross-linked layer on the surface of the fiber and provides a deep dark shading effect.
  - has anti-static softness by itself; therefore, no need to use softener additionally.
  - brings about 40% of color yield up effectiveness.
  - is compatible with nonionic and cationic products. The anionic products may cause precipitations.

## Field of application

**Substrate** : polyester, wool, cotton, polyamide and their blends

**Aggregate** : different kinds of dyeing machines

**Operation** : dyeing accelerator

## Characteristics

**Type of product** : special polymeric compound

**Ionic nature** : weakly cationic

**Appearance** : milky-white liquid

## **Application**

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

The fabric must be washed well before applying the product to remove all alkali. The product is more effective on dry than on wet fiber. The pH of padding liquor must be 5.0-5.5 (set by acetic acid 98%).

General method of treatment is:

**Padding method : 20-40 g/l POLYDEEP CV, Temp. : 25°C, Dry at 130°C for 2 min, curing at 170°C for 1min.**

It is generally used 30-50 g/l, but its quantity can be adjusted or more to be optimized its effect, but not recommended to use more than 50 g/l or 5% sol. Because it may cause slip.

**Drying > Padding > Pick up (maximum) > Pre-drying>Curing**

Above curing condition is prepared for 8 chambers of Tenter; In case of 6 chambers of Tenter, it is recommended to apply more slow curing speed to get optimal effect.

**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.