

AVCO-POLYQUEST SMA

COMPLEXING / DISPERSING AGENT FOR PREPARATION & DYEING POLYESTER

AVCO-POLYQUEST SMA is a unique textile auxiliary, which combines protective colloid properties together with dispersing and complexing properties.

AVCO-POLYQUEST SMA is used as complexing agent especially in acidic environment as disperse dyeing.

SPECIFICATIONS:

Appearance	Clear liquid.
Chemical nature	Blend of phosphonates and polycarboxylated polymers.
lonicity	Anionic.
Density (gr/cc)	App. 1.1
Compatibility	 Good in pH range of 3 – 13. Good with nonionic and anionic products.
pH (10%sol.)	2 - 3
Solubility	Soluble in water at any ratio.
Storage	Stable for at least 12 months.

PROPERTIES & USES:

- 1. Excellent binding capacities toward Ca and Fe.
- 2. Strong dispersing and protective colloid properties, especially in acidic medium.
- 3. Improves the purity of the fibres.
- 4. Increases the efficiency of the detergents used in the pretreatment procedure, and improves primary detergency by synergistic action.
- 5. Stable at a wide pH range of 3 13.
- 6. Disperses and sequesters water hardness and heavy metal ions contaminating raw fibers, salts and other chemicals used in disperse dyeing process.

APPLICATION:

- 1. AVCO-POLYQUEST SMA should be added to the dyeing bath with other additives.
- 2. AVCO-POLYQUEST SMA can be metered to continuous ranges as is or pre-diluted at any ratio.



Technical - Information

GUIDING RECIPES:

1. Disperse dyeing:

AVCO-POLYQUEST SMA is very beneficial in disperse dyeing. Dosage is 1 - 3 gr/l.