

PRODUCT: Estosize PR 200

Sizing of 100% Cotton Yarn, Denim, Polyester Viscose and Polyester Cotton. Fully replacement of PVA, Acrylics, CMC & other polyester resins .size for better economics & performance with low pick-up.

Chemistry for Performance

- ▶ Sizing binder with highest abrasion resistance
- ▶ Superior adhesive & cohesive property
- ▶ Good flexibility & single yarn strength
- ▶ Low viscosity size, better penetration
- ▶ Minimum loss in elongation
- ▶ Better surface smoothness & softness after sizing
- ▶ Less dropping and lesser warp breaks
- ▶ Easy desizing
- ▶ Compatible with starch and other binders
- ▶ Lesser effluent load because of lower dosage and better biodegradability
- ▶ More than 80% biodegradable in 8 days on adapted sludge
- ▶ Can be used like PVA by directly adding to the size mix during cooking for solubilization

Chemical Composition:

Estosize PR 200 is very high molecular weight acrylic copolymer contain easily vulnerable Acid salt in his polymeric backbone hence remove from yarn with normal conventional method.

Due to high molecular weight with high cross-linked density it gives superior mechanical performance with very low pick-up.

Physical Properties

Product	Appearance	pH(10% sol. In DM water)	Particle size	Pack Size
Anionic	Light to dark yellow, free flowing powder	6.0 ± 1	Mesh (-10 + 44 BSS)	25 kg Paper bag/box

Note

The product has agglomeration tendency under high temperature and high load. Shake the bag, before use for free flowing product.

Technical Comparison between PVA & PR 200

Parameter	PVA	Estosize PR-200
Flexibility	✓	✓✓
Penetration	Poor	✓✓
Viscosity Size	High	Low
Abrasion Resistance	Low	High
Hairiness Control	Low	High
Desizing	Normal	Easy
Recyclability	✓	✓
Residual Elongation	Low	High
Solubility in Size Mix	✓	✓
Effluent COD & BOD	High	Low
Surface Smoothness & softness of size film		