

New Generation Polyester Resin
For
PVA Replacement

R-PVS-100



RAN Chemicals Pvt. Ltd.

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Polyester Resin Sizing Binder R-PVS-100

APPLICATION

Sizing of 100% Cotton Yarn, Denim, Polyester Viscose and Polyester Cotton
Partial / Full replacement of PVA, Acrylics, CMC & other binders by polyester size
for better economics & performance

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 and softness after sizing
- Less dropping and lesser warp breaks
- Easy desizing
- Compatible with starch and other binders
- Lesser effluent load because of lesser dosage and better biodegradability
- Can be used like PVA by directly adding to the size mix during cooking for solubilization

CHEMISTRY FOR ECONOMICS

- 2 part of PVA can be replaced by 1 part of R-PVS-100 Upto 20kg PVA in Size recipe
- Partial replacement above 20 kg of PVA in Size recipe
- 2 parts of Acrylics can be replaced by 1 part of resin

PHYSICAL PROPERTIES

Ionic Nature	Form	Appearance	Colour	pH of Solution	Solid Content	Particle Size	Pack Size
Anionic	Solid	Free Flowing Powder	Light yellow to dark yellow	4.0 ± 1	100%	Mesh (-10 + 44 BSS)	25 kg Paper Bag

- Note:**
1. The product has agglomeration tendency under high temperature and high load. Shake the bag before use.
 2. Non compatible with Carboxyl Methyl Cellulose.

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TECHNICAL COMPARISON BETWEEN PVA & POLYESTER RESIN

Parameter	PVA	Polyester Resin
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	✓	✓✓

RECIPES

Recipes for various counts available upon request.

The literature indicates general information guidelines on our product for their use. The user should check the suitability of the product for his own use. We make no warranty of any kind expressed or implied. Industrial safety practice is to be followed. We take no responsibility and expressly disclaim liabilities for law, damage or expense rising out of or in any way connected with the handling, storage, use or disposal of the product.

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