New Generation Polyester Resin for Stiffening & Back Coating Applications for Fabrics like Cotton, Polyester & its blends

R-PV-250(P)

RAN Chemicals Pvt. Ltd.

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R-PV 250 (P)

APPLICATION

Stiffening & Back Coating Applications for fabrics like cotton, polyester & its blends.

CHEMISTRY OF ADVANTAGE

- Better stiffness, superior surface smoothness
- Non-yellowing and hydrophobic in nature
- Better brightness and good luster
- Better crease resistance
- Better permanency after washing
- Maintains brightness at high temperature
- Prevent nail marks
- No surface harshness
- Compatible with PVA, silicone, PVAC etc
- Improves folding resistance
- Improves the penetration of finishing ingredients into core of the fabrics

CHEMISTRY FOR ECONOMICS

- Reduces the consumption of PVAC / EM
- Eliminates / reduces polyvinyl alcohol solution
- Low dosage

PHYSICAL PROPERTIES

Product	Colour	Ph of 10% solution	Shelf Life	Pack Size	Nature
Polymeric Biodegradable, Eco-friendly and Low BOD/COD.	Pale yellow granules	6.5 -7	Six months, avoid direct sunlight & exposure to air	25 kg	Mildly anionic

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SOLUBILIZATION PROCEDURE

Basis- 1000 Kg.Batch

Recipe for 25% Solution

1. R-PV-250 (P) - 250 Kg.
2. DMW - 750 Kg.
   Total - 1000 Kg.

- Check the reactor and ensure that it is clean.
- Charge soft Water and start stirring (RPM should be min. 90).
- Heat the water up-to 90 ± 2℃
- Gradually, add R-PV-250 (P) powder in approx. 1 to 1.5 hours with continuous stirring while maintaining the temperature at 90 ± 2℃.
- After complete addition of the material, maintain the temperature at 90 ± 2℃ for 1 to 1.5 hour and check the sample for clarity (Check whether it is completely dissolved or not). If dissolution is not complete continue stirring and maintain the temp. at 90 ± 2℃ till it dissolves completely.
- After the powder is completely dissolved, hold the temperature for another 30 minutes and then cool it to 30℃. Check solid content. Add DM water to adjust the loss of water if any.

NOTE:

- Pre-crush /shake material before addition if required.
- Do not starts resin addition at lower temperature.
- Do not allow the temperature to go down during solid addition. If for any reason temperature goes down, stop resin addition until specified temperature is achieved.
- Solution clarity depends upon gradual addition. Do not dump resin in kettle.
- Stirrer RPM should be more than 90. Do not allow the stirrer to stop.
- Lumping tendency is seen if addition is done without stirring or at lower temperature or if the material is dumped.

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