



ESTOSIZE PR1000

Chemistry for Performance PR1000 is a very high MW water dispersible pure aromatic polyester resins . Design to sizing of 100% cotton yarn denim and dyed yarn . it is a full replacement of PVA , ACRYLICS, and other available binders in the market by for better economics and performance

Product Description PR1000 is a new generation hydrophilic polyester resins. which has a macromolecular structure with ester group provides excellent adhesion and water solubility with high quality of pourability
Ester group in such molecule were susceptible to hydrolyze in the alkaline medium makes these product easily desizable .
It could ameliorate the desizing performance of PVA and starch . viscosity and surfacetension of such size were all low , and had a good wettability and permeability to yarn .

Performance Features Higher molecular weight makes this product excellent binding power that is i.e. lesser dropping and lesser warp breakages Lesser effluent load because of lower dosage and perform with lower pick up Excellent flexibility with moderate hardness minimizes loss of elongation Highest abrasion resistance

Typical Properties

| | |
|-------------------------|--|
| % Solid | 100 +/- 2 |
| PH | 4.0 +/- 1 |
| Appearance | light to dark yellow free flowing powder |
| Specific Gravity | 1.2 +/- .05 |
| Solubility | Soluble in any type of water (90 deg cen.) |
| Nature | Anionic |

Dosage

Dosage is recommended as per quality, type, kind and count of yarn used. Recipe is tailor-made, and has to be selected by the end use. Typical dosage varies from 3% to 12% of the basic starch used.

Technical support for special applications, is made available on request.