

RECRON® 3S FOR WETLAID APPLICATIONS



Recron® 3s
Making a Stronger World

Easy Dispersion, Durable & Resilient



The assurance of the Reliance Group

Reliance Industries Limited (RIL) is India's largest private sector company on all major financial parameters. Reliance is a diversified industrial group with a formidable presence in Oil & Gas, Refining & Marketing, Petrochemicals, Chemical Intermediates, Textiles, Organized Retail and Special Economic Zones (SEZs). Right since its inception RIL's only objective has been to deliver a better quality of life at affordable prices to as many people as possible. This endeavour has been brought to fruition by focusing on research and innovation to constantly improve existing products and at the same time develop new products. As a result, RIL was the first private sector company from India to feature in the Fortune Global 500 list of 'World's Largest Corporations.'

Reliance Polyester – Proven track record

Reliance is the largest producer of polyester fibre and yarn in the world, with a capacity of 2.5 million tonnes per annum. Reliance invests significant amounts on R&D in the polyester sector. Reliance Technology Center, Reliance Testing Centre and Reliance Fibre Application Centre constantly develop and introduce innovative products for the textile industry.



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Recron® 3s – Making a difference to you and your customers

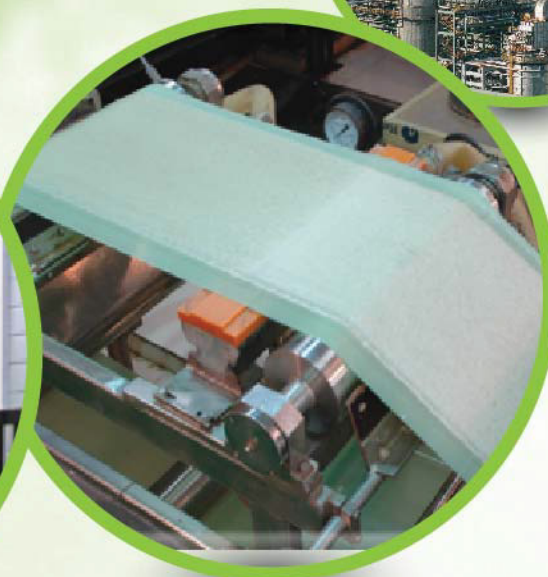
We seek to fulfil this by making products that are strong, durable and of the highest quality. **We have done this by developing Recron® 3s, a special shortcut polyester fibre re-engineered with an advanced finish to provide excellent dispersion for a uniform wetlaid non woven process.**

It has been tested and commercially accepted by industry leaders for sensitive wetlaid application.

Products made from Recron® 3s range from wallpapers to teabags and currency papers to acoustic dampeners that are strong and durable enough to keep your life going smoothly and happily.

These fibres can be processed either through a pulper or in a mixing chest.

Recron® 3s improves tear, tensile and burst strength in combination with bonding material. Porosity, dimensional stability, bulk and folding endurance can be modified by using these fibres. They can be specially processed to offer low shrinkage thereby providing greater dimensional stability to all grades of paper.



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Superlative advantages for superior end-products

- Excellent unmatched dispersion in water. This gives uniform distribution throughout the matrix and helps in excellent sheet formation on the machine
- Proven for its performance in various wet-laying technologies
- Provides temperature stability (Melting point > 250°C), making the product dimensionally stable under curing conditions used in wet-laying
- Provides excellent wet strength for web and the finished product, required in liquid filtration applications
- Low shrinkage product also available
- Very low foam propensity
- Widest range of customer friendly packaging
- Vacuumised packaging – saves storage space



Multiple applications, in every part of life:

- | | |
|---------------------------|----------------------|
| • Wallpaper | • Milk filter |
| • Automobile filter | • Coffee filter |
| • Food grade filter paper | • Currency paper |
| • Industrial filter | • Acoustic material |
| • Tea bags | • Battery Separators |

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Vacuumised Packaging – a smart way to store Recron® 3s:

Recron® 3s can be offered in vacuumised PE bags of 20, 25 & 150 kgs as well as in jumbo bags / boxes of 150 to 1000 kgs. These are stored on pallets and covered by final stretch wrapping. Vacuumised bag offers long shelf life, saves product from bacterial growth given that PET fibres are used for either food or medical end use. Vacuumised bag also results in compact pallets resulting in storage space saving by 50%.



Product specifications that suit your requirements:

- **Shape:** Round / Trilobal
- **Dtex:** 0.66, 0.88, 1.7, 3.3, 6.6, 13.2 (Other Dtex's on request)
- **Length (mm):** 3, 5, 6, 10, 12, 18, 24, 30
- **DHS:** <5% at 190°C for 10 minutes or lower on demand
- **Regulatory Approval:** FDA/BfR
- **COD/BOD:** Compliance with local regulations
- **Dispersion:** Excellent
- **Sheet formation:** Excellent

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