



PACIFIC TEXCHEM PVT. LTD.

ISO 9001 : 2015 COMPANY

106, "Saurabh", Above Union Bank , Andheri Kurla Road, Chakala, Andheri (East), Mumbai – 400 093.
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Product Data Sheet

ALCOFIN LSN Spin Finish for Needle Punch Nonwoven

ALCOFIN LSN is a specially designed Spin Finish for application as overspray for Needle Punch Nonwovens manufactured from 100% Polyester & Polyester rich Synthetic Blends. It imparts excellent antistatic properties & required fibre to fibre cohesion. It also gives outstanding fibre to metal lubricity.

PRODUCT FEATURES

- Balanced lubricating properties during carding, combing, blending, drawing and spinning operations including excellent fiber-to-fiber lubricity, medium fiber-to-fiber static friction with good inter-fibre cohesion.
- Helps to reduce frictional differences between different fibers in blends e.g., Polyester-Viscose, Polyester-Acrylic, Polyester-Cotton etc.
- Excellent antistatic protection even in low humidity conditions and easily removable in subsequent scouring, dyeing and finishing operations
- Equally effective on dyed or undyed fibers; can be used on cotton system, as well as semi worsted system.

COMPOSITION

- Proprietary blend of alkoxyates, esters and emulsifiers.

TYPICAL PROPERTIES

- Ionic nature : Nonionic
- Appearance : Clear Yellow Color liquid
- Viscosity : 30 To 100 cps
- 10% Solubility : Translucent
- 2% pH : 9 - 11



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SPECIAL FEATURES

- In automotive industry needle punch & thermo bond nonwovens are widely used for different applications. Alcofin LSN is most suitable for both the processes.
- It has good thermal stability required for the process & does not generate smoke during further processing. It can be used for virgin, recycled & fibre produced from bottle flakes PET.

APPLICATION

- Substrate : Synthetic fibres and blends
- Aggregate : Automatic Spray nozzles
- Dissolving method : Dilutions are prepared by slowly adding the product to the required quantity of dematerialized water at 30 – 40 °C with stirring to form clear solutions.

Guide Recipes -

- As an overspray before the blending operation; typical o.p.u. of 0.15 – 0.50% o.w.f. from 8 – 15 % active dilution. Conditioning for 18 – 24 hours After spraying is recommended.
- In applications requiring improvement in inter fibre cohesion, ALCOFIN LSN is applied in combination with ALCOFIN CH which is a cohesive agent. Typical ratio of 90-60 parts ALCOFIN LSN and 10-40 parts ALCOFIN CH is recommended. With total o.p.u. of 0.200.40% from 10-15% active solution depending on particular requirements.
- Dosages are optimized based on type of fiber, residual spin finish from earlier process & moisture content in fibre.

HANDLING AND STORAGE

- Storage stability : At least 12 months.
- Storage and transport : Storage and transport not under 10 °c and not above 40 °C.