



NIRMAL FIBRES PVT. LTD.

AN OVERVIEW

Nirmal Fibres is a leading ISO 9001:2015 certified company established in 1997 with its manufacturing facilities near New Delhi, India with collaboration from South Korea.

The journey as a manufacturing company started in the Year 1971 where the founders of the company first set up a TMT Steel bar manufacturing facility in Moradabad in Uttar Pradesh. With continued efforts and the zeal to grow the company expanded into Cement manufacturing. In the process the company became the one of the leading producers of Iron bars and cement in the state of Uttar Pradesh. Nirmal Fibres Pvt. Ltd was conceptualized in the year 1996 and commenced its production in 1997

Using the state of the art technology to produce high- grade Recycled Polyester Staple Fibre. The company started with a modest production and grew to be major producer of Recycled polyester staple Fibre. It diversified into manufacturing of PP Spun Bond Non-woven fabric in the Year 2010 in various GSM and shades. Further addition to produce Virgin Polypropylene fibres was done in the year 2013. Equipped with high end facilities and team of highly qualified and experienced professional the company thrives to deliver the best quality at the most affordable cost. We have presence in more than 40 countries in EUROPE, BRITAIN, LATAM, AFRICA, MIDDLE EAST, USA where our end product is used in various applications especially Needle punch nonwovens for Automotive felts and Geo textiles, Marine & Upholstery.

INFRASTRUCTURE

The manufacturing facilities of the company is situated in Gajraula, Uttar Pradesh, India which is a prominent industrial city with presence of major companies like Jubilant, Insys, Teva, TTK etc. There are 6 different lines for making Recycled Polyester staple Fibre and PP staple Fibre and 2 Lines to produce PP Spun Bond Non-Woven Fabric with total capacity to produce 30000 MT of Fibre and 4000 MT of PP Spun bond per year which can produce different qualities of finished produce simultaneously. We specialize in colored Fibre and have the entire requisite infrastructure to produce colored Fibre with minimum deviation on a continuous basis. Inventory of more than 2500 shades, and growing, help us match the market samples sent by customers quickly. Strong network of our reputed suppliers for master batch, pigments and dyes also help us in giving quick turnaround time in case of shade development. With most modern equipment for shade development and well managed team of professionals, Nirmal is preferred supplier to major Auto ancillaries to around world and cater to clients in all domains. Our quality system with high end quality checking equipment in place managed by well experienced quality professionals having more than 20 years' experience gives the company enough control to compete and pass stringent quality standards set by the industry it is catering to.

We can supply Fibres regularly with below certification



Nirmal Fibre Pvt. Ltd. produces a wide range of Recycled Polyester, Polypropylene & Specialty Fibres for various Nonwoven & Textile applications.

Our Fibres can deliver good process-ability and consistent quality.

Our production unit is well equipped to produce Fibres of various Technical Specification like denier range from 1.2 to 110 with cut length ranges from 6mm to 102mm. Apart from the wide range of denier & cut length, we can provide Fibres in 2500+ Dope Dyed Shades as well. Various combinations of Denier & Cut length can be produced as per the specific applications or demand from customers.

Our Fibre range is well suited for further processes on Nonwoven Technologies (Needle punch & Spun lace) and Spinning Technologies (Ring & Open end).

Let's evaluate any Nirmal's Fibre in your next innovation idea.

Recycled Polyester Staple Fibre Range

Product Type	Denier Range	Cut Length Range	Lustre / Shade	Suitable for Nonwoven / Spinning Technology	Functional Properties	Applications
Spun Grade Fibre	1.4D to 15D	25 to 102 mm	Bright, Semi Dull, Full Dull & 30+ Shades	Spinning	GRS Certified	Spun Yarn for various textile applications like Suiting's, Denim, Carpet Yarn etc.
Nonwoven Grade Fibre	1.4D to 100D	25 to 102 mm	Bright, Semi Dull, Full Dull & 2500+ Shades	Nonwoven	GRS Certified	Industrial Wipes, Filtration, Geotextile, Composites
Fire Retardant Fibre	1.4D to 100D	25 to 102 mm	Semi Dull & 30+ shade	Nonwoven & Spinning	Inherent & Tropical	Home/Office Furnishing, Carpets, Sheet Covers, Mats, Automotive, Industrial Partition Felt, Air Filters
UV Stable Fibre	1.4D to 100D	25 to 102 mm	2500+ Shades	Nonwoven & Spinning	Inherent UV Resistant	Geotextile, Marine, Aerospace & Outdoor floor covering.
Cationic Dyeable Polyester Staple Fibre	1.4D to 100D	25 to 102 mm	Off White / Semi Dull	Nonwoven & Spinning	Better Color Fastness and Brighter Shade	Carpet Yarns, Blend with Acrylic

Product Type	Denier Range	Cut Length Range	Lustre / Shade	Suitable for Nonwoven / Spinning Technology	Functional Properties	Applications
Biodegradable	1.4D to 100D	25 to 102 mm	2500+ Shades	Nonwoven & Spinning	Biodegradable	Sustainable Textile Products
Low Shrinkage RPSF	1.4D to 100D	25 to 102 mm	2500+ Shades	Nonwoven & Spinning	Shrinkage <4%, Thermal Stability	Automotive Nonwovens, Fancy Spun Yarn Manufacturing
Ultra-Low Shrinkage RPSF	1.4D to 100D	25 to 102 mm	2500+ Shades	Nonwoven & Spinning	Shrinkage <2%, Thermal Stability	Automotive Nonwovens, Strengthening materials for artificial leathers / PVC / coating / lamination fabrics
Trilobal (TBL) Fibres	7D to 8D	25 to 102 mm	Customized Shades	Nonwoven & Spinning	Improved Coverage & Bright Lustre	Nonwoven, Blend with Silk / Wool
Micro Siliconized fibres	1.4D to 1.5D	6 to 64 mm	Semi dull & Customized Shades	Nonwoven & Spinning	Bulkiness, Shape Recovery, Softer Feel & Insulations	Pillow, Soft Toys, Jackets, Cushions, Quilts, Mattress, Furniture
Hollow Conjugated Siliconized/Non-Siliconized	7D & 15D	25 to 76 mm	Customized Shades	Nonwoven	Bulkiness, Shape Recovery, Insulations	Pillow, Soft Toys, Jackets, Cushions, Quilts, Mattress, Furniture
Short Cut Fibre	1.4D to 5D	6-25mm	Semi Dull	Nonwoven	Better Covering	Reinforce Composite Structure
Polyester Hydrophilic Fibre	1.4D to 6D	25 to 102 mm	White & Customized colour	Nonwoven	Instant Water absorbency and better wicking.	Spun lace nonwoven, Wetland nonwoven, Cleaning wipes production.

Nirmal Polypropylene (PP) fibres

Nirmala's PP Fibres have a number of advantages over other man-made Fibre types:

Density

The density of PP is 40% lower than Polyester and 25% lower than Nylon (polyamide). This means that lightweight fabrics can be made with excellent bulk and cover.

Mechanical Properties

PP Fibres can be engineered to have a wide range of mechanical properties. Nirmala's PP Fibre is highly resistant to abrasion and has a toughness superior to most Fibres

Colorfastness

When color is introduced in the melt (solution dyed) the color is inherent in the product. It will not bleed or fade & provide better fastness.

Comfort

PP is a very comfortable and soft Fibre. It has a low modulus which ensures good drape ability, and it has excellent resistance to static build-up. Insulation. PP has lowest conductivity of all textile Fibres.

Moisture regains

PP absorbs no water. This has a number of positive benefits including resistance to aqueous stains, ease of maintenance, and excellent moisture transport properties. Resistance. PP is resistant to acids, alkalis and other chemicals. It is resistant to rot, mildew and bacteria.

Technical Service

Nirmal fibres believe in offering extensive technical service to its customers. This includes Fibre innovation programs, exclusive fibre development, Color matching, fibre quality enhancements, etc.



Nirmal Fibers Pvt. Ltd.

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