

ADVANTAGES OF DREF SPINNING

Shalini, MMP Filter

DREF spinning which is conventionally known as Friction Spinning operates on the basis of mechanical/aerodynamic spinning system with an internal suction and same direction of drums rotation. Drafted slivers are opened into individual fibres by a rotating carding drum covered with saw tooth type wire clothing. The individualised fibres are stripped off from the carding drum by centrifugal force supported by an air stream from the blower and transported into the nip of two perforated friction drums where they are held by suction. The fibres are sub-sequentially twisted by mechanical friction on the surface of the drums and produced yarns result in high resilience with bulkiness and high air permeability.

The Core-Sheath combination produced offers improved resistance, strength and combination of different yarns like copper, stainless steel in core which can be used for various applications.



Applications & Reasons

- 0.6Ne -1.5Ne-filter cartridge
- 7Ne- for filter fabric where the weft of the filter fabric is with friction spun yarn
- Due to high air permeability of the Dref Friction Spun Yarn, the dirt holding capacity of the filter cartridge and the filter fabric increases

tremendously. It also helps the filtration process with higher efficiency

- Friction products such as brake lining, brake shoe, clutch lining etc. are in high demand. Yarn produced through this process is in very high demand. After processing the friction spun, the other yarns are used to combine on TFO to produce yarns which are used for applications using multifilament glass fibre yarn or UHMWPE as core yarn with Para Aramid fibre as sheath

» Cut Resistant gloves

» Apparel

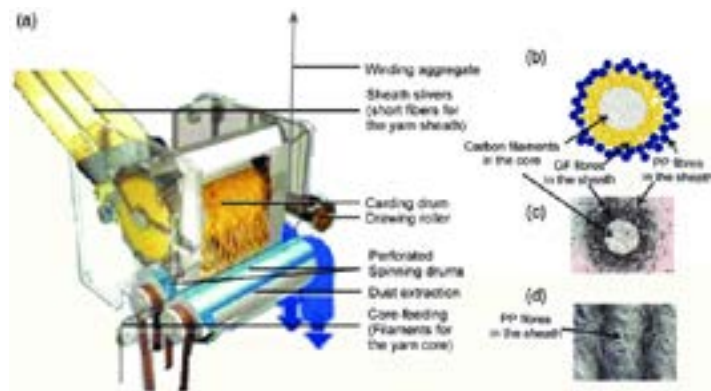
Other areas where core spun through Friction Spinning are used in shoes, ropes and industrial cable manufacturing. Filler cartridge for liquid filtration is also effectively made with these yarns. Secondary Carpet Backing for tufted carpets can be produced with waste fibres in this spinning system. Upholstery, table cloths, wall coverings, curtains, handmade carpets, bed coverings, and other decorative fabrics can be produced economically by DREF Spinning System. Heavy flame-retardant fabrics, conveyor belts, clutches, brake linings, friction linings for automobile industry, gaskets are some other examples where the DREF yarns can be effectively used.

Filter fabrics

Polypropylene filter cloth is extensively used in liquid-solid filtration mainly for its excellent filter cake release and good resistance to most acids and alkalis. Thanks to its super low moisture absorption, woven polypropylene in weft on filter fabric in twill, plain weaves is a preferred selection for filtration purposes

Advantages of PP Filter Fabric

- Filter lifecycle will increase
- Lightest weight among synthetic fabrics
- Excellent gas permeability
- Free of mildew and oxidation
- Good resistance against acids, alkalis and reducing agents
- Available for large to fine particle filtration



PP Filter Fabric is commonly used in:

- Chemical
- Pharmaceuticals
- Sugar
- Non-ferrous metal smelting
- Sewage treatment and many more

PP Secondary Carpet Backing

Colour, texture, type...always things to consider for any carpet purchase. But, if you flip it over, you'll find something else that is important—"The Backing"....So, what exactly is carpet backing? The underside of a carpet is also called the backing. It secures the tufts and gives the carpet additional strength and dimensional stability. Most carpets have a double backing: The Primary Backing-where the yarn is tufted into, and The Secondary Backing-which is the outer material, from polypropylene and is lightweight, strong, dimensionally stable, mildew resistant, economical, has moisture wicking property and is more durable and long lasting than the traditional backing. Poly-

propylene is being used widely for secondary carpet backing these days.

Says Executive Director of MMP: "MMP is set out to carve its niche in making Futuristic Fabric for a sustainable and better world. We live by the ideology of 'Dream, Create, Produce' to bring about yarns that will create a world of difference and elevate India ahead of the completion on global map. At MMP, technology, innovation and experience are integral not only to spinning new yarns, but also to spinning a roadmap for the future."



TEXTILE NEWS

The Ministry of Textiles today extended the timeline for submission of applications under the PLI (Production Linked Incentive) Scheme for textiles till 14.02.2022. Earlier, the date of submission of online application under PLI Scheme for Textiles was up to January 31, 2022.

The government in December had approved the PLI scheme for textiles, with an approved outlay of Rs. 10,683 crore for five years to promote production of MMF apparel, MMF fabrics and products of technical textiles.

The ministry had started to accept online applications for textiles from January 1, 2022, via pli.texmin.gov.in/mainapp/Default portal. Earlier, the application window was supposed to remain open from 01-01-2022 to 31-01-2022 but now the deadline has been extended by two more weeks.

The PLI scheme in textile was approved by the Cabinet in September had approved the proposal for production-linked incentive (PLI) scheme for specific segments in the textiles sector. The scheme for specific segments in the textiles sector had received the Cabinet nod in September.

Under the PLI scheme, factories based around aspirational districts or Tier-3 and Tier-4 cities will be given priority, which will especially benefit states like Gujarat, Uttar Pradesh, Maharashtra, Tamil Nadu, Punjab, Andhra Pradesh, Telangana.