

piloff
the future yarn

A fruitful breakthrough



PKPN – the leaders in
knitting and weaving yarn now bring you
the long-awaited future yarn – ‘piloff’.

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‘piloff’ yarn is created with Muratec Vortex Spinning Machines. ‘piloff’ is multi-functional as well as fashionable. This unique quality attracts global leaders in fabrics who opt for ‘piloff’ yarn to market their products globally spinning success.

Super-structured yarn

This yarn has less hairiness. It suppresses pilling to a considerable extent. It is structured in such a way that frictions between fibre do not cause pilling.

Smooth post-spinning process

‘piloff’ has least hairiness among all types of spun yarn. In ‘piloff’ yarn occurrence of lint is also suppressed which helps in post-spinning processes and deformation is nil when the fabric is washed repeatedly.

Top comfort level

Casualwear and sportswear need best absorbency and wash-resistance. piloff’s fibre structure is such that it absorbs moisture and diffusion. It absorbs sweat and turns even the hottest summer periods rather cool.

Enduring freshness

‘piloff’ yarn is very much wash-resistant and fibre loss is nil and with no colour fading all world-class brands naturally prefer ‘piloff’.



Adding comfort and colour to everyday life worldwide

Because of its excellent and superior yarn structure 'piloff' is used by manufacturers to make anything and everything from everyday wear to table cloth, towels to sweatshirts, t-shirts, socks, sportswear, home textiles, etc.

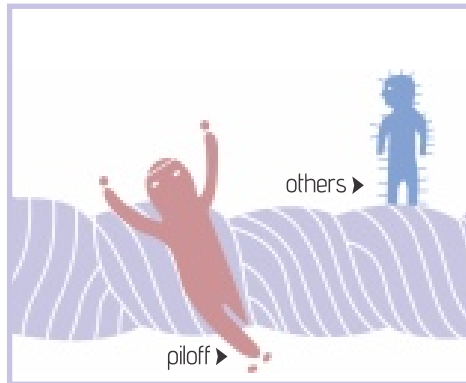
'piloff' has spun itself into every aspect of your life. From the routine daily life to sporting events, it is here there and everywhere to capture your imagination and turn you more comfortable.



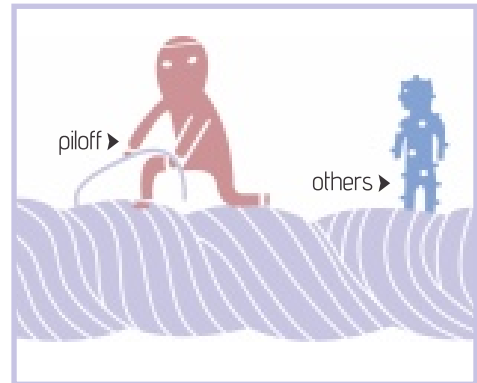


Revolutionary multi-functional yarn

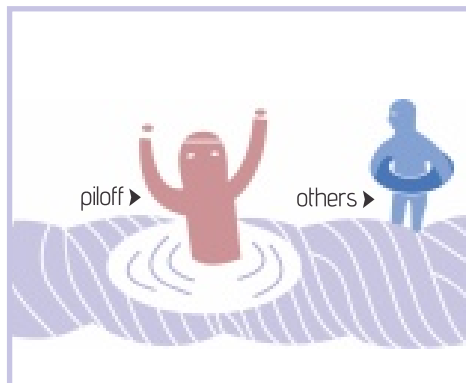
Less Hairiness and Clear Appearance



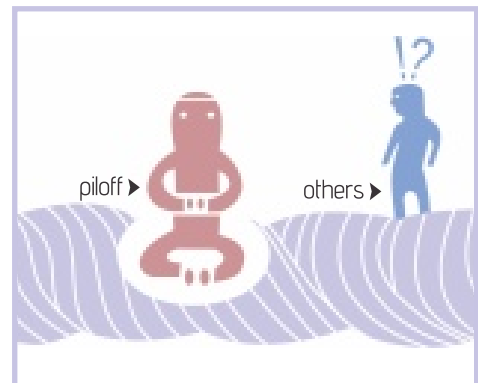
High Resistance to Pilling and Abrasion

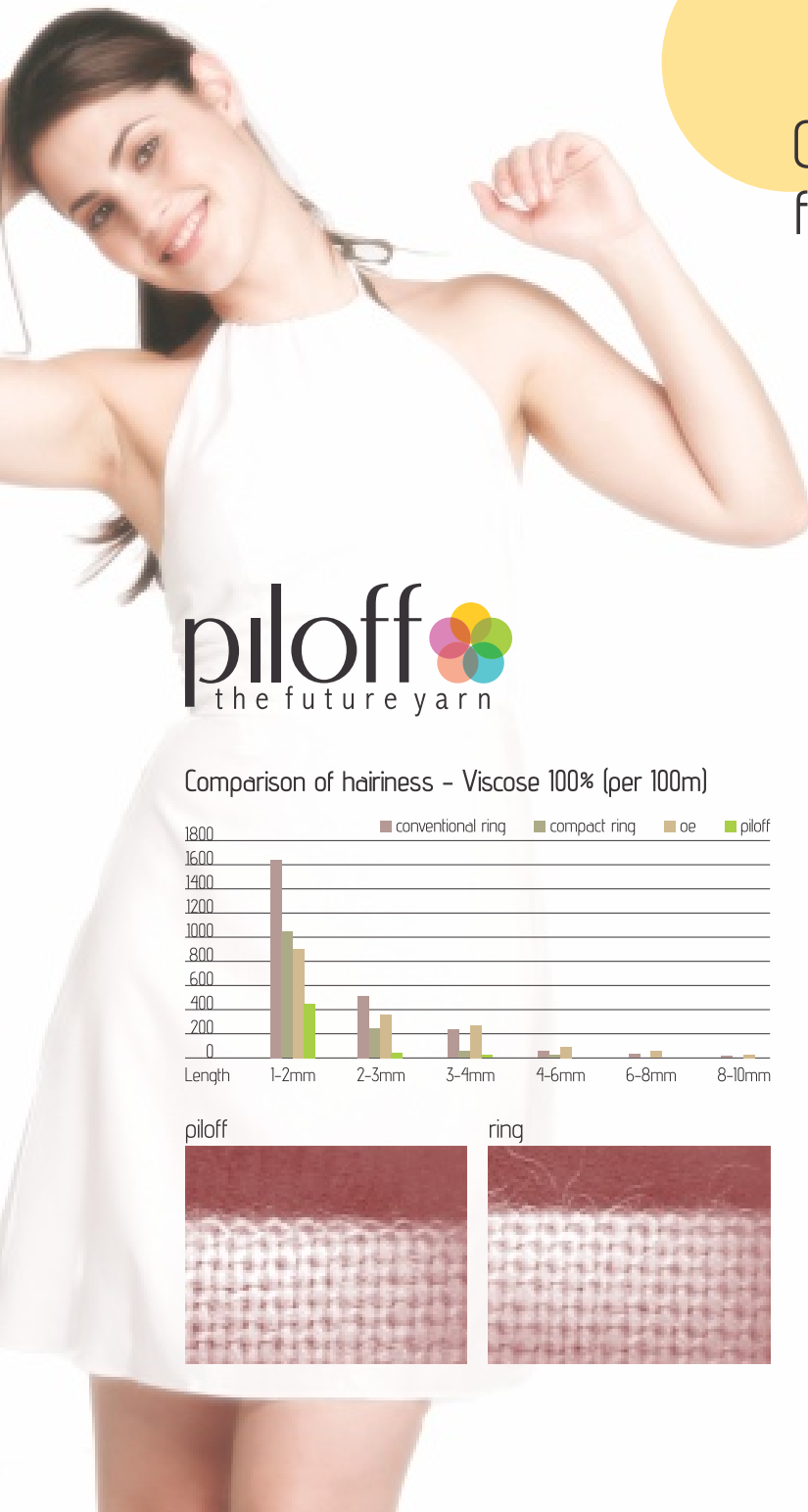


High Moisture Absorption



Less Shrinkage & High Wash Resistance





Comparatively low hairiness for great looks

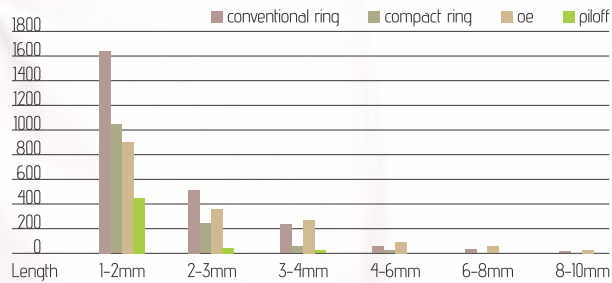
The photographs shown below are of 'piloff' yarn and conventional combed ring yarn. It will give you a clear idea as to why 'piloff' has more resistance to pilling and clear appearance.

Because of the air-conditioned and the air-singed effect 'piloff' has the lowest hairiness of any spun yarn. This helps in excellent resistance to pilling and abrasion of garments.

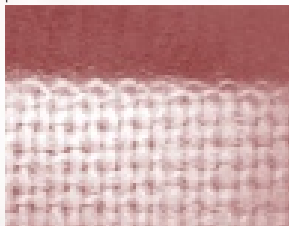
'piloff' is more durable despite often laundering and has the lint shedding reduced to a great extent.



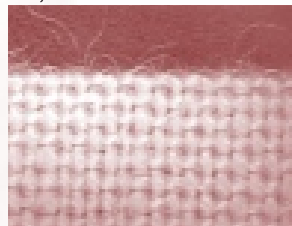
Comparison of hairiness - Viscose 100% (per 100m)



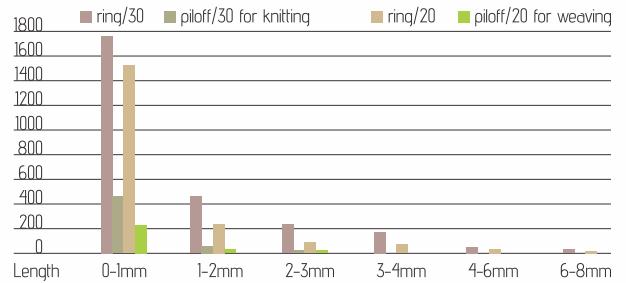
piloff



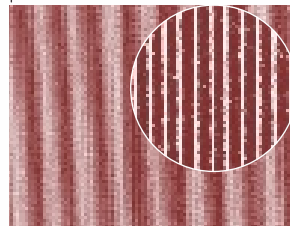
ring



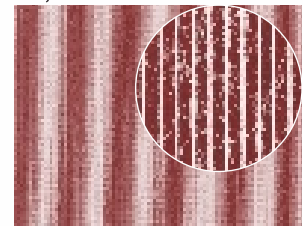
Comparison of hairiness - Tencel 100% (per 10m)



piloff



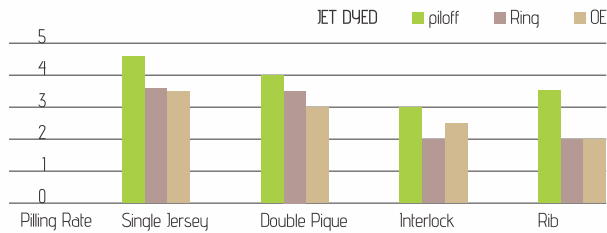
ring



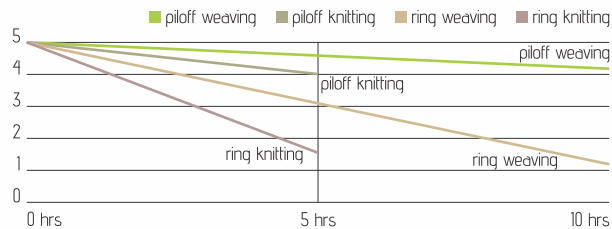
Resisting pilling and abrasion for attractive attire

'piloff' has less hairiness and better resistance to pilling. The long awaited solution to pilling has arrived with the advent of 'piloff'. You can be rest assured that 'piloff' is definitely the future yarn which is going to take the fabric market by storm.

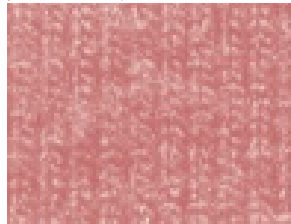
Comparison of pilling - Viscose 100%



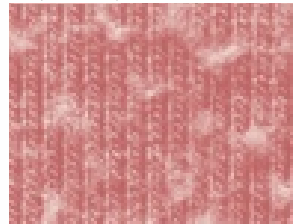
Comparison of pilling - Polyester Cotton Blend



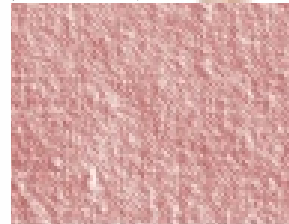
piloff knitting



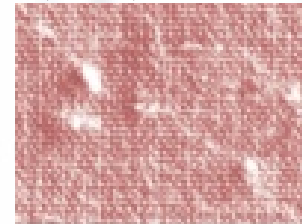
ring knitting



piloff weaving



ring weaving



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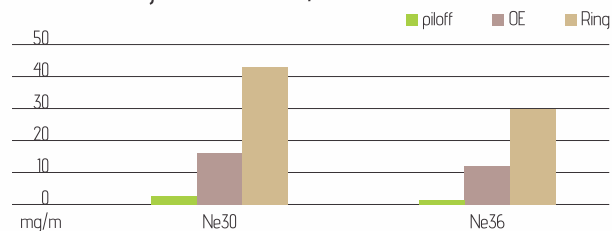


Excellent durability and resistance during wash and wear

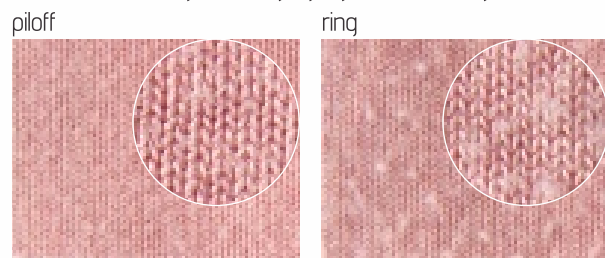
'piloff' is free from lint shedding. After five washes in the OE yarn lint was washed out and the fibre dust had accumulated on the drain filter.

Bulkiness of yarn is the main criteria for softness, it naturally tends to lose durability. But with the arrival of 'piloff' and its superior yarn structure there is a full stop to this problem.

Lint Shedding - Cotton 50% / Viscose 50%



After 20 washing and drying cycles - knitting



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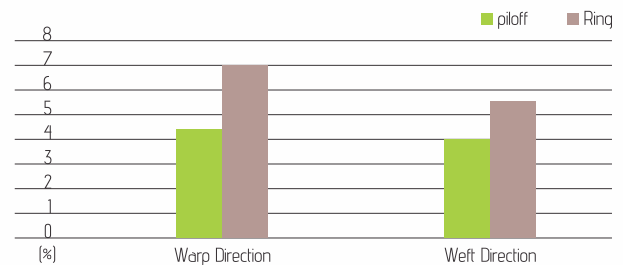


piloff
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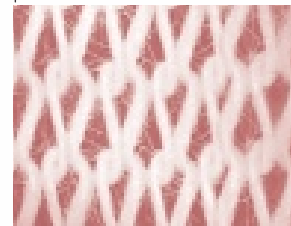
No more deformation
and shrinkage

'piloff', because of its superior yarn structure has real twist structure. All fibres are oriented in the same direction but not to the same degree. So knitting wear tends in two-dimensional structure and has more resistance to deformation.

Comparison of fabric shrinkage after laundering

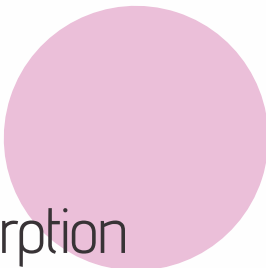


piloff



ring





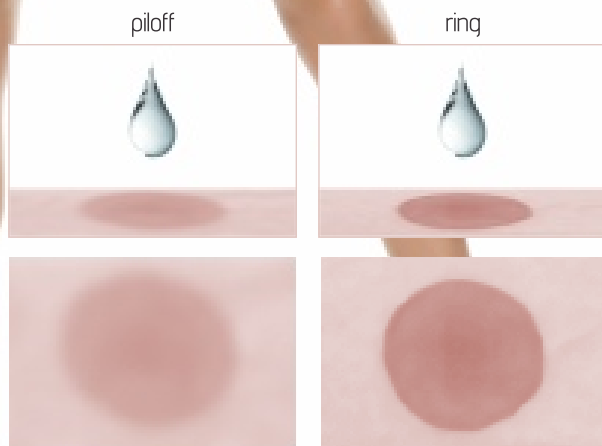
Excellent moisture-absorption and quick drying

'piloff' is ideal for casual and sportswear as it absorbs moisture and dries quickly to leave you in the comfort-zone always. Highly-twisted yarn cannot absorb moisture.

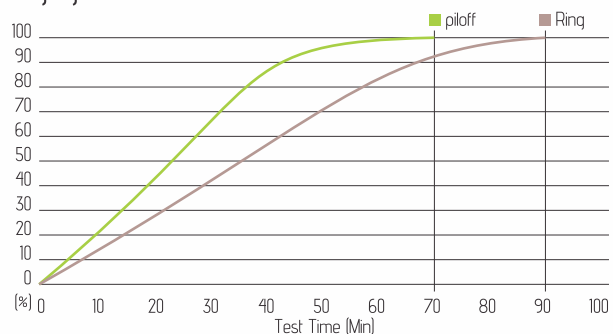
The unique structure of 'piloff' with its lightness and features of moisture absorption has an edge over other yarns and naturally preferred by fabric manufacturers worldwide.


Retaining warmth

With the air held between the vast inner spaces of the yarn the gaseous materials isolate warmth from the chill air outside. The bulk structure of the yarn enhances this feature.



Drying Test



piloff  | viscose | modal | bamboo
organic blend | cotton blend | polyester cotton | knitted fabrics



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