

Natural wonder kapok - feather-light functional fibre



Piumafil

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by Gebr. Otto



OTTO

Zukunft seit 1901

Piumafil is a blend of **finest, GOTS-certified organic cotton** with the **natural hollow fibre kapok**. The perfect combination of the best raw materials, high-tech spinning and environmentally friendly dyeing results in a highly functional yarn with a wide range of applications.

With a density of 0.35 g/cm^3 , kapok is the lightest natural fibre in the world. Thanks to its special fibre structure, kapok has **thermoregulating properties** and is **breathable**.

The fluffy, silky yarn quality gives textiles an extraordinary **lightness** with a remarkably **soft feel**.

Piumafil consists of **renewable raw materials** which are environmentally friendly and **biodegradable**. Kapok fibres are produced in the fruit of the tropical kapok tree and are **free of pesticides and fertilisers**. The fruit capsules are collected and processed by the indigenous population; the sale secures their livelihood and contributes to the **protection of the rainforests**.

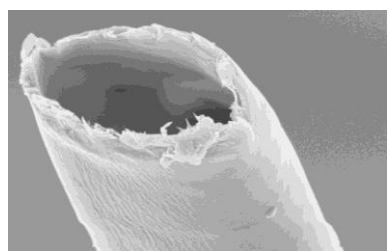
Fields of application

- | health & wellness textiles
- | sports & leisure textiles
- | bed linen
- | day & nightwear
- | socks & stockings



Good to know

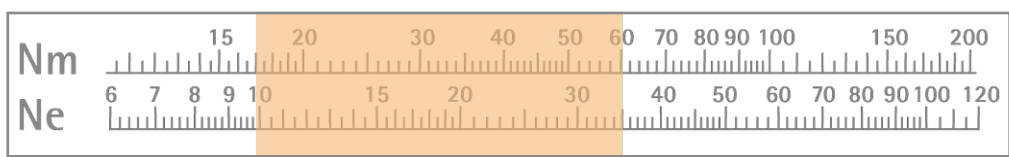
- | Sustainable manufacturing process of fibres & yarns
- | Piumafil meets the requirements for the product label OEKO-TEX® MADE IN GREEN
- | Good pilling values through high-quality organic cotton & selected spinning process
- | Durable with high strength
- | Kapok is 6 times lighter than cotton and has a high elasticity
- | Kapok is a 2 - 4 cm long hollow fibre with 80% air inclusion
- The volume share of kapok in Piumafil is 50%
- | There are no known allergic reactions to kapok
- | Raw & dyed



Kapok under the microscope

Features

gentle to the skin	climate regulation	high wearing comfort	renewable raw materials	sustainable production	biodegradable



<p>Certified by Control Union CU 829846</p>	<p>ISO 9001 Certified Quality Management System www.tuv-sud.com/ims-cert</p>	<p>ISO 14001 Certified Environmental Management System www.tuv-sud.com/ims-cert</p>	<p>ISO 50001 Certified Energy Management System www.tuv-sud.com/ims-cert</p>
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