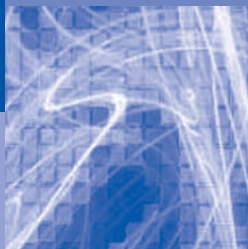


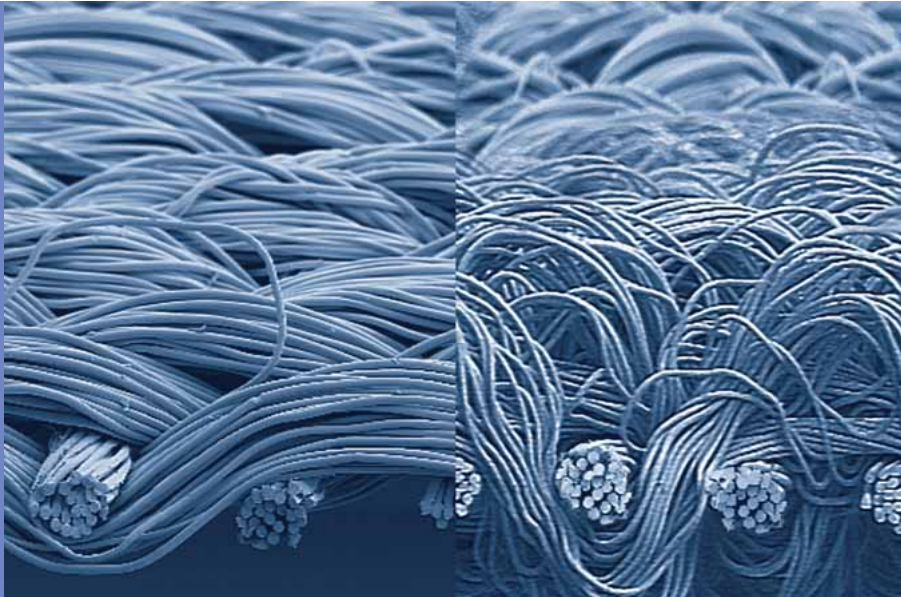
TWD *Fibres*

EFFICIENCY AND EFFECT

DIOLEN[®]
ATMOFIL

PEACH-SKIN EFFECTS
FAST AND COST-EFFICIENT PRODUCTION





High Tech Effect:
Diolen® Atmofil under
the microscope,
inactive (on the left)
and activated.

MORE EFFICIENCY IN PRODUCTION

PEACH-SKIN EFFECT WITH DIOLEN® ATMOFIL

Diolen® Atmofil by TWD Fibres is the first warp Differential Shrinkage Elongation (DSE) yarn for producing fashionable peach-skin effects. Depending on the fabric construction, it can be used for warp and weft without any twisting or sizing. This allows you to produce more efficiently, saving energy and caring for the environment.

Diolen® Atmofil is machine-washable, non-iron and absolutely non-toxic – the modern fancy yarn for customer-friendly textiles with trendy optical characteristics!

Velvety appearance:
Diolen® Atmofil
refines textile
surfaces.



TWO YARNS – ONE EFFECT

HOW DIOLEN® ATMOFIL WORKS

As a DSE yarn, Diolen® Atmofil is produced from two polyester filament yarns with different shrinkage behaviour. One yarn component is cold-drawn, whereas the other is warm-drawn.

While the cold-drawn component is a high-shrinkage yarn, the warm-drawn component functions as a memory yarn with self-elongation of up to 25%. The difference in length between the two components during finishing causes the peach-skin effect.



FASHIONABLE, COMBINABLE, COST-EFFECTIVE

RANGE OF APPLICATIONS AND POSSIBILITIES

Diolen® Atmofil is extremely versatile: you can use it as a one-hundred percent polyester blend or combine it with cotton, wool, acrylic or numerous other fibres.

With its good combinability, quick and easy processing and fashionable peach-skin effect Diolen® Atmofil is the ideal DSE yarn for cost-effective production of fashionable textiles.

In addition to its natural fibre haptic Diolen® Atmofil features exceptional breathability.

Use Diolen® Atmofil for the production of functional clothing, women's and men's wear, corporate wear, home textiles, ribbons, upholstery fabrics and for many other applications!

In conjunction with Diolen® Garant by TWD Fibres, Diolen® Atmofil can be used in the manufacture of environment-friendly, antimony-free polyester fabrics which meet the requirements of Oeko-Tex Standard 100.

Atmofil® was developed by the ITV Institute of Textile Technology and Process Engineering Denkendorf, Germany.



Snug and Cosy:
Diolen® Atmofil is ideal for fluffy fabrics for cuddling and feeling cosy.



Comfortable:
Diolen® Atmofil
combines excellent
wearing comfort
with fashionable
appearance.

VERSATILE, HIGH QUALITY

THE PROPERTIES OF THE PRODUCT

Diolen® Atmofil is a flat DSE yarn for the manufacture of soft, airy peach-skin fabric surfaces with natural fibre haptic and high breathability.

Diolen® Atmofil is available as ply yarn, twisted yarn or intermingled yarn.

We can offer you Diolen® Atmofil in yarn counts ranging from dtex 100 to dtex 350.

CERTIFICATES

PROVEN QUALITY STANDARDS

Diolen® Atmofil is Oeko-Tex Standard 100 certified.

TWD Fibres GmbH's integrated quality management system is certified to ISO 9001 – 2000.

TWD Fibres GmbH's environmental management has been validated through an ISO 14001 Oeko Audit.

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