

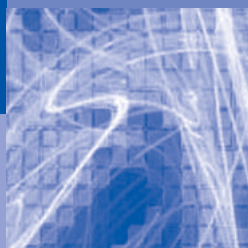
TWD *Fibres*

A CLEAN AFFAIR

DIOLEN[®]
CARE

TIMBRELLE[®]
CARE

PERMANENT PROTECTION
AGAINST BACTERIA





Saving lives:
Protection against
fungi and microbes
reduces risks of in-
fection and allergies.

HYGIENIC YARNS AGAINST MICROBES

DIOLEN[®] CARE AND TIMBRELLE[®] CARE

Diolen[®] Care and Timbrelle[®] Care from TWD Fibres are the antimicrobial yarns that fulfil the most stringent hygiene requirements.

Care yarns provide highly effective protection against bacteria and fungi. As the active agent, unlike organic additives, is neither soluble nor volatile it permanently reduces odours, allergens and germs.

Care yarns from TWD Fibres are machine-washable and durably effective – enabling functional textiles to provide enhanced protection against microbes.

Reassuringly clean:
You can rely on
Care yarns also in the
linen and health care
sectors.



DURABLY EFFECTIVE

THIS IS HOW CARE YARNS FROM TWD FIBRES WORK

In Diolen[®] Care (PES) and Timbrelle[®] Care (PA6.6), an additive is used that is already well known from the areas of drinking water purification and medical technology: silver ions.

In order to ensure its long-term stability, the active component is embedded in the polymer for Care yarns. Consequently, it is not volatile and does not get washed out.

The antimicrobial effectiveness of Diolen[®] Care and Timbrelle[®] Care has been laboratory tested. In contrast to fabrics that are subsequently finished, this method ensures the permanent antimicrobial effect.



SPORTS, HEALTH CARE PRODUCTS, CLOTHING, LINEN, SHOES ...

APPLICATIONS AND POTENTIAL

Care yarns from TWD Fibres are available on both a polyester base and a polyamide base.

They can be processed in exactly the same way as conventional yarns and offer great benefits.

Use Care yarns to reduce odours in areas with close skin contact: for linen, underwear, sportswear, outerwear, socks and shoes; lessen the risk of allergies in mattresses, sheets and covers or with air conditioning systems.

Reduce the risk of infection in the hospital and health care sector by using Care textiles for clothing, bedding and other textile needs.

Diolen[®] Care and Timbrelle[®] Care can also be combined with other yarns, whereby the effect will be correspondingly reduced. This makes them suitable for many other areas of application in which you would like to make use of their excellent antimicrobial properties.

Care yarns from TWD Fibres are non-toxic, free of heavy metals and groundwater-neutral when washed.

Diolen[®] Care and Timbrelle[®] Care are Oeko-Tex Standard 100 certified.



Skin contact:
Care yarns inhibit the growth of bacteria in functional underwear, thus ensuring that body odour does not develop.



A good clean feeling:
Care yarns ensure hygienic conditions in the wellness sector.

MATERIALS, YARN COUNTS, COLOURS

PRODUCT OPTIONS

Care yarns from TWD Fibres are semi-dull, friction textured multifilament yarns with a round cross-section.

Diolen[®] Care (polyester) is available package-dyed, dope-dyed or in raw white in the following yarn counts:

dtex 76 with 36 filaments
dtex 167 with 36 filaments

Timbrelle[®] Care (polyamide 6.6) comes package-dyed, dope-dyed or in raw white in the following yarn counts:

dtex 22 with 7 x 2 filaments
dtex 33 with 10 x 2 filaments
dtex 44 with 13 x 2 filaments
dtex 78 with 23 x 2 filaments
dtex 100 with 26 x 2 filaments

Further options on request.

CERTIFICATES

PROVEN QUALITY STANDARDS

Diolen[®] Safe is Oeko-Tex Standard 100 certified.

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

TWD Fibres GmbH's environmental management has been validated according to ISO 14001 – 2005.

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