AN INTRODUCTION TO SWICOFIL’S YARN AND FIBER WORLD
Swicofil loves to be your product development advisor, R&D coach, initiator and supporter for high-tech solutions for all yarn and fiber specialities. Our aim is to serve you well - meaning to provide a professional, uncomplicated, reliable and fast service.

EXPERT FOR YARN AND FIBER SPECIALITIES

With Swicofil, you have one partner for all your yarn and fiber needs who provides complete information straight from the beginning. Together with our supplier partner, we concentrate on high quality products and specialities for niche markets. Emphasis is laid on products where functionality is important. By doing so, our customers are able to meet highest quality and service demands which enables them to stay ahead in the market place.

WHAT DOES SWICOFIL OFFER?
Swicofil offers yarn and fibers in most diverse materials as well as consulting services.

WHAT KIND OF MATERIALS?
The range comprises natural, artificial - meaning originating from nature but chemically transformed - and synthetic materials.

FOR WHAT APPLICATIONS?
Swicofil focuses on technical fields where functionality and performance are required. For most fashion applications, meaning large scale pret-a-porter fashion, Swicofil is thus not the right address to contact.

WHAT ABOUT FABRICS?
For most materials, Swicofil is not able to offer ready made fabrics. Exceptions exist for anti-viral and shielding / conductive fabrics.
AVAILABLE MATERIALS

The following materials amongst many others are to be supplied by Swicofil, your yarn and fiber expert:

**MONOFILAMENT**
- **in rawwhite and spundyed**
  - PA 6 from 0.04 - 4.000 mm
  - PA6.6 from 0.030 - 4.000 mm
  - PET from 0.020 - 1.000 mm
  - HDPE from 0.160 - 0.500 mm
  - also in rectangular and star shape cross-section
- **in rawwhite**
  - PPS from 0.20 - 1.00 mm
  - PVDF from 0.15 - 0.50 mm
  - PMMA plastic optic monofilaments
  - PFA
  - Vectran split monofilaments

**METAL YARNS**
- monofilaments
  - stainless steel
  - pure silver
  - fine wires in various metals
  - copper monofilaments
  - also silver coated or lacquered
- multifilaments
  - plasma metal coated yarns
  - chemo galvanically coated yarns

**HIGH TENACITY**
- **Polyamide family**
  - PA 6 from dtex 940 - 1880 in rawwhite & spundyed
  - PA 6.6
  - PA 4.6
  - PA 6.10
  - PA 6.12
  - PA11
  - PA 12
- **Polyester family**
  - Polyester PET
  - Polyethylene Naphtalate PEN
- **Other polymers**
  - Polyphenylsulfide PPS
  - Polyvinylidene Chloride PVDC
  - Aramide (Meta & Para)
  - LCP liquid crystal polymer yarns
  - UHWMPE
  - High Modulus Polypropylene HMPP

**AIRTEXTURED & KdK**
- **airtextured**
  - PA 6.6 from dtex 95 - 360
  - PET from dtex 95 - 1100
  - PP from dtex 440 - 3300
- **specialities**
  - yarns for automotive end uses, FR
  - yarns, custom spundyed yarns, yarn on dye tubes, taslanized high tenacity
  - yarns in rawwhite and spundyed

**FIBERS FOR SPINNING / NON WOVENS**
- **fibers & tops**
  - PA 6 and PA 6.6
  - Polyester PET
  - Polytrimethylene Terephtalate PTT
  - Polybutylene Terephtalate PBT
  - Polypropylene PP
  - High Density Polyethylene HDPE
  - bamboo
  - soybean

- **fibers**
  - Polyphenylsulfide PPS
  - natural fibers like banana
  - Litrax products
  - and more
### Polyester Textile

<table>
<thead>
<tr>
<th>Yarns</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PA 6, PA 6.6, PA 12</td>
<td>in rawwhite or spundyed for cutting to flock or spinning</td>
</tr>
<tr>
<td>Polyester PET</td>
<td>in rawwhite or spundyed for cutting to flock or spinning</td>
</tr>
<tr>
<td>Other tows in PP, PBT, CLF and more</td>
<td>for different applications</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Yarns</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flat</td>
<td>from dtex 8 - 550</td>
</tr>
<tr>
<td></td>
<td>in spundyed, micro yarns, coarse dpf yarins, thick and thin, low or high shrinkage yarins, twisted, bright trilobal and full dull yarins and more</td>
</tr>
<tr>
<td>POY</td>
<td>from dtex 33 - 390</td>
</tr>
<tr>
<td></td>
<td>in super bright, FR, anti-bacterial, cationic, POY for draw warping, PBT yarins and more</td>
</tr>
<tr>
<td>Friction textured and PIN textured</td>
<td>from dtex 33 - 660</td>
</tr>
<tr>
<td></td>
<td>in micro filament, PIN textured, spundyed, super intermingled, twisted and more</td>
</tr>
</tbody>
</table>

### Polyamide Textile

<table>
<thead>
<tr>
<th>Yarns</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>PA 6 and 6.6 in flat</td>
<td>from dtex 8 - 460</td>
</tr>
<tr>
<td></td>
<td>in spundyed, micro yarns, twisted, thick and thin, bright trilobal and full dull and more</td>
</tr>
<tr>
<td>PA 6 and 6.6 in POY</td>
<td>in dtex 11 - 158</td>
</tr>
<tr>
<td></td>
<td>in spundyed or micro yarns</td>
</tr>
<tr>
<td>PA 6 and 6.6 textured HE or Set</td>
<td>from dtex 8 - 550</td>
</tr>
<tr>
<td></td>
<td>in flame retardant, spundyed, twisted, airtextured, micro yarns, bright trilobal or full dull and more</td>
</tr>
</tbody>
</table>

### Functional Materials

- Litrax filament yarns
- Harness cords for Jacquard looms
- Plasma Metal Coated yarns
- CellSolution
- Chemo galvanic silver coated yarns
- Grilon bonding / separating yarns
- Chenille yarns
- Flocked yarns Rallytex
- PU or PVC coatee yarns
- Phenol aldehyde Novoloid
- Ceramic fibers

### Various Materials

- HDPE multifilament yarn
- PP multifilament in flat, (air-)textured, high tenacity and spun yarns
- PVAL filament and spun yarns
- Lamé / Lurex yarn
- Glow yarn
- Retroreflective yarn

### Fibers

- Chemo galvanic silver coated fibers
- CellSolution
- SmartCel

### Filler Fibers

- Polypropylene PP
- Cotton
- Viscose
- And more
HIGH PERFORMANCE MATERIALS

- resistance
  - Polyetheretherketone PEEK
  - Polyphenylene Sulfide PPS
  - chlorofibers CLF
  - Perfluoro Alkoxy PFA
  - and more

- anti static
  - Belltron products
  - Epitropic fibers
  - and more

- flame retardant
  - SwicoStop
  - Polyimide PI
  - Polyesstersulfone PES
  - Basalt yarns
  - and more

NATURAL ORIGIN

- natural
  - nettle blends
  - hemp blends
  - silk
  - flax spun yarn
  - and more

- regenerated
  - bamboo CLY and CV spun yarn
  - hemp CV spun yarn
  - and more

MEDICAL

- Polyester PET
- UHMWPE yarn
- LCP liquid crystal polymer yarn
- Polyglycolic Acid PGA
- and more

And many products more in spuns, filaments, fibers and more. For the full experience of the Swicofil product programme, visit:

www.swicofil.com/products

For inquiries, please contact Swicofil via swicofil@swicofil.com. We always need to know the following details:

- product related information
- quantity information
- usage of the yarn
- background information

like materials, type, count, colour, etc.
how much of the product you need for sampling and in commercial deliveries
end use system as well as final application
project information like competitor or remarks

Please use our checklist that was specifically designed for such purposes to inform us about the required details. The checklist can be downloaded via the following link: www.swicofil.com/checklist or use our contact form on www.swicofil.com/contact
PRODUCT FOCUS

Despite the large number of products Swicofil offers, these materials or products usually have one thing in common: functionality to boost your product’s performance in every way possible. Possible functions are the following:

**EXTREME CONDITIONS**
- Extreme conditions

**FUNCTIONALITY**
- Like biodegradability, bonding or insulation

**VISUAL EFFECT**
- For when you need to be seen

**RESISTANCE**
- Resistance

**HIGH PERFORMANCE**
- High strength, UV resistance and more

**CONDUCTIVITY**
- Conductivity

CORE MARKETS OF SWICOFIL

Various applications belong to the competence field of Swicofil. Swicofil’s expertise includes high tech solutions in the fields of today as well as tomorrow:

**ENGINEERING**
- Engineering

**MEDICAL**
- Medical

**SEPARATION**
- Separation

**PROTECTION**
- Protection

**LUXURY**
- Luxury

**SENSORING**
- Sensing

CONTACT US

Need assistance in your product development? Looking for a highly conductive, flexible yarn? In need of a customized solution for a medical product like sutures? Contact Swicofil, your expert in yarn and fiber specialities for the sensing + communication sector:

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