

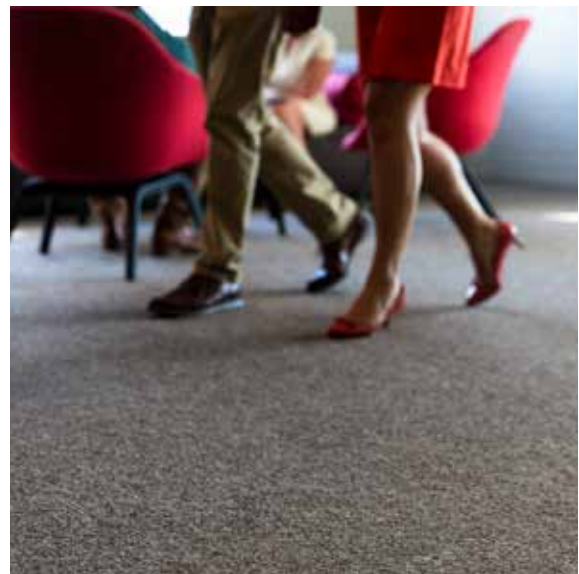


Automotive

Geotextiles

Flooring

Technical



From decorative
to heavy duty





Fibres

Automotive

Lightweight automotive composites

Beaulieu Fibres has developed a range of engineered polypropylene (PP) bonding fibres for thermoplastic lightweight composites. Each of the bonding fibres is designed to provide a homogenous blend and optimal moulding performance. Additionally, with their inherently low shrinkage properties Beaulieu's bonding fibres offer dimensional stability in compression moulding.

The fibre recipes are designed and customised to meet the most stringent OEM requirements in terms of heat stability, VOC/FOG and odour.

Composites

- Door panels
- Underbody shields
- Wheel arch liners
- Parcel shelves
- Head liners



Reduced weight, lower system cost, enhanced acoustic properties

- Weight reduction (patent pending)
- Dimensional stability in moulding
- Low shrinkage, excellent elongation
- Enhanced acoustic properties
- Complies with stringent heat stability, VOC/FOG and interior odour requirements

Specifications

Dtex range 3.3 - 17
Cut length (mm) 40 - 90

Crimps (per cm) 2 - 6
Colour natural and black



Face fabrics

Our colour development department can match any of your OEM colour masters for automotive interior fabrics. The fibre recipe is designed to comply with OEM requirements in terms of UV resistance, VOC/FOG emission and flame retardance (FR). The low melt PP bonding fibres contribute to a fully recyclable system (patent pending), replacing the use of latex.

Specifications

In-house master colour development
Dtex range 3.3 - 17
Cut length (mm) 40 - 90
Flame retardant (FR) functionality

Crimps (per cm) 3 - 6
Residual shrinkage < 3 %

Geotextiles

Lightweight high-performance nonwoven geotextiles

Our high tenacity fibres offer unique high tensile strength of minimum 52cN/tex (6 g/denier) without compromising on elongation. The fibres provide opportunities to reduce geotextile system cost by maximising machine efficiency, ensuring desired performance and saving weight (up to 15% compared with standard geotextile fibres). We also offer a higher dtex range for environmental applications.



Heavy-duty engineering & construction

- Railways and motorways
- Landscaping
- Erosion control
- Waste containment
- Coastal protection

High tenacity, lightweight, reduced system cost

- Reduce system cost
- Maximise machine efficiency by excellent product consistency
- High tenacity (patent pending) and tear resistance
- Weight savings up to 15%

Specifications

Dtex range 4.4 - 11
Cut length (mm) 60 - 120
Tenacity (cN/tex) > 52
Elongation (%) ≥ 70%

Crimps (per cm) 2 - 5
Colour natural, grey and black
Durability levels according to EN ISO 13438



Flooring

Fibres for floorcoverings

We offer a full dtex range of PP fibres for the production of needlepunched carpet for indoor and outdoor applications. Beaulieu Fibres is an expert in colour development and has the knowledge to provide the appropriate functionalities in terms of colour fastness, abrasion and UV resistance. We have developed coarse fibres that offer superb shrinkage control, dimensional stability and high resilience, required for the carpet tile market.

Indoor & outdoor nonwoven floorcoverings

- Trade and event carpets
- Contract & Residential
- Outdoor & Sports

Master colour development, fully recyclable carpet

- Dimensional stability
- Strong abrasion and high resilience
- Stain resistance
- Fully recyclable carpet (patent pending)
- In-house master colour development
- Guaranteed colour fastness by UV resistance

Specifications

Dtex range 5.5 - 300 Crimps (per cm) 3 - 6
Cut length (mm) 40 - 120 Flame retardant (FR) functionality
UV resistance, level depending on indoor or outdoor use
Fully compliant with REACH



Technical



Air and liquid filtration

Our PP fibres are highly resistant to chemicals such as alkalines and acids and are therefore highly suitable for use in liquid filtration applications.

Specifications

Mono range and BICO fibres range Dtex range 1.7 - 17
Cut length (mm) 40 - 90 Crimps (per cm) 2 - 5
Non- and low-foaming properties
Hydrophilic or hydrophobic properties on request
Compliant with FDA and European food contact regulations



Upholstery

Beaulieu Fibres offers a range of fine PP fibres for use in the furniture and bedding industry. Our upholstery fibres give your nonwovens a high resistance to tear.

Specifications

Dtex range 2.8 - 6.7 Cut length (mm) 40 - 90
Crimps (per cm) 3 - 10 REACH and Öko-tex compliant
Standard colours white, beige, brown, grey, black
Flame retardant (FR) functionality



Resin Transfer Moulding (RTM)

We offer coarse dtex PP fibres for resin transfer moulding. These fibres offer high resin fluidity and controlled permeability.

Specifications

Dtex range 65 - 200 dtex Hydrophilic surface conditions
Colour white



Concrete reinforcement

We offer PP micro fibres for concrete reinforcement applications. Concrete fibres prevent post cracking by supporting a homogeneous drying and improve resistance to explosive spalling in case of a fire. Additionally, they improve the flexural ductility, toughness and load carrying capacity of the concrete matrix.

Specifications

Dtex range 3.3 - 6.7 dtex Cut length (mm) 4 - 24



About Beaulieu Fibres International

As largest European producer of PP fibres, our company is part of the Engineered Products Business Unit of Beaulieu International Group, with headquarters in Belgium.

With three production sites in Europe - two in Belgium and one in Italy, we supply PP and PE/PP BICO fibres with linear densities of 1.0 to 500 dtex to customers in industries such as Hygiene, Geotextiles, Flooring, Automotive, Filtration and Upholstery. Our broad portfolio includes ultrasoft fibres, high elongation fibres, coloured fibres and fibres with different cross-sections, including trilobal, suitable for a wide range of processing technologies. Beaulieu Fibres International has 220 employees and reported a turnover of 200 million euros in 2016.

Member of Beaulieu International Group

Beaulieu International Group (B.I.G.) is a renowned international group with a strong position in the raw materials and semi-finished products market. Our solutions also include a wide range of finished floorcoverings. Beaulieu International Group has 4,500 employees in 29 plants, 11 sales offices and 8 distribution plants spread across 16 countries. In 2016, the Beaulieu International Group's turnover was 1.7 billion euros.

Beaulieu International Group is composed of three business units: "Granules" produces polypropylene granules for numerous applications. "Engineered Products" houses the activities Fibres, Yarns, Technical Textiles and Technical Sheets. "Flooring Solutions" is the European leader in wall-to-wall floor coverings, producing carpet, needle felt, cushion vinyl, LVT and wood. The Beaulieu International Group's entrepreneurial spirit and innovative ambitions make it a model of diversity and progress within the sector. These assets allow it to create sustainable added value for customers, employees, suppliers, shareholders and for the society in which it operates.

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