

BEXconnect

Newsletter nr:3
January 2002



Dear Reader,

The following mission statement has been embedded in our strategic business plan:

"We shall make the best synthetic yarns/twines – tapes – ropes and hawsers to improve the competitive position of our customers.

Actively we shall participate in research and development projects for any application and improvement in our market, with respect for people and environment"

For the marine ropes and offshore hawser our BEXConnect N° 1 and 2 have already been issued and this N° 3 in detail highlights our activities in the synthetic yarns/twines and strapping markets, which technically and commercially strongly vary from others.

All these single products have a wide variety of applications as geotextile – carpet industry – cores for steelcables – agriculture – fishing industry – packaging – etc. and here also each product has its own specific characteristics and technical demands. To design and manufacture such high strength and really fit to purpose yarns/twines – tapes and strapping you must have thorough understanding and knowledge of all individual applications and working conditions, but at the same time a highly specialised production unit, operating to the latest state of the art, is an absolute must to fulfill these qualities.

Under ISO 9001/version 2001 the production of such top quality yarns – twines – tapes and strapping certainly is a high technology on its own. Therefore BEXCOfibres has heavily invested to automatize and to computerize all its production units and last but not least recently concentrated all these know-how and high tech units under a huge newly build manufacturing plant of 4,512 square meters. Herewith another important step has been set to make our mission statement come true.

We are proud to present you this BEXConnect N° 3 on these special products and BEXCOfibres is looking forward to create a business partnership for all your needs of yarns – twines – tapes and strapping with esteemed company.

We are ready to serve you and welcome your contribution.

Edmond Blommaerts
for EBM bvba
Managing Director



BEXCOfibres embossed polypropylene strapping

Since more than 20 years Bexco Fibres nv (previously Le Lis) is in Belgium the sole manufacturer of embossed polypropylene strapping and developed together with different machine manufacturers an excellent quality of small strap.

Our main activity area is the printing industry and especially the newspaper business where quality is an absolute must. This business is most active at night and can not allow production stops. So, that is where quality of Bexco strap is required. Nobody would be happy if the newspaper could not appear in time in the morning. Bexco polypropylene strapping stands for quality! Another area where small strap is used in large amounts is the production of corrugated cardboard. Different machines are used in this area and Bexco 5 and 6 mm embossed straps are produced according to the requirements of every kind of machine. For several years Bexco Fibres nv is producing a special polypropylene strap that is used in the roof protection business. The purpose of inserting straps in corrugated plates is to reinforce the plates in order to save one's life when sagging the roof. This product is manufactured according to the requirements of the customer. Tailor-made polypropylene strapping belongs to Bexco's speciality!

Bexco polypropylene strapping is running faultless on any kind of machine. Not only small straps but also wide straps belong to our production range. Depending on the demand of the customers special core sizes and colours are possible, of course provided that the tonnage is important.

All the BEXCOfibres strapping can be applied for automatic, semi-automatic and hand use.

Polypropylene strapping of 9, 12 and 15 mm is mostly applied in the industry as packaging material to strap boxes and pallets e.g. in fish, meat, fruit and vegetables industry.

But also in the concrete brick industry Bexco poly-

propylene strapping runs without any problem. Quality and service are priority number 1 at Bexco Fibres nv!

Thanks to the know-how and dedication BEXCOfibres can be proud of an undeniable good quality, for which the ISO 9001 quality certificate according to the newest qualification norms, was attributed.



BEXCOfibres tapes and yarns are produced and destined for more specific markets. Our main application for these products is the geotextile business. Making very strong tapes and yarns to be woven to geotextile carpets is one of our specialities in this application field.

Moreover BEXCOfibres tapes and yarns are applied in the rope manufacturing industries and used as raw material to make ropes or as cable fillers. In some carpet industries our variety in different colours is very appreciated. Also in the packaging industry BEXCOfibres can offer different one-ply yarns.

For more news on Bexco, please contact our website at www.bexco.be.



Company profile

Product



Bexco Fibres nv is a member of the BEXCO nv. Other companies within the group are Le Lis nv and Vermeire nv.

All the companies are ISO 9001 certified according to the 2000 regulations. Bexco Fibres nv, Le Lis nv and Vermeire nv are located about 30 minutes from the Port of Antwerp and 50 minutes from Brussels.

The group has some 100 employees and in 2001 a turnover of 15 million €.

Product groups



BEX-TAPE

All our tapes are made of polypropylene.

Fibrillated and/or profiled

Different spool sizes

Used for different applications:

- Geotextiles
- Rope manufacture
- Cable fillers
- ...



BEX-YARN

All our yarns are made of polypropylene.

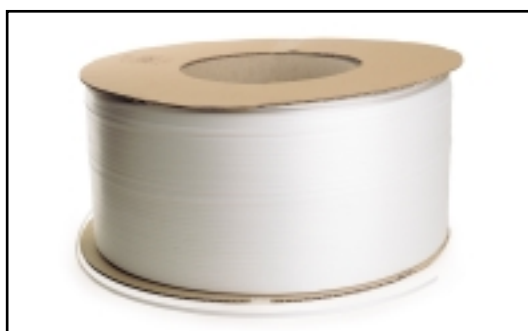
Fibrillated and/or profiled

One ply

Different spool sizes

Used for different applications:

- Geotextiles
- Rope manufacture
- Cable fillers
- Packaging industry
- Carpet industry
- ...



BEX-STRAP

All our straps are made of polypropylene and embossed.

Small and wide strap, "standard colour: white"

Different colours (up 2,5 T)

Different core sizes

Used for different applications:

- * Packaging in following industries:
 - Printing
 - Food
 - Bricks
 - Corrugated boxes
- * Roof protection



Product range

Yarns are quite frequently made to achieve the most efficient technical and economic solutions to deal with specific problems in different areas. Extensive research and quality control guarantee that every BEXCOfibres product conforms to the required specifications.

Packing industry

The packing industry has also discovered the advantages of polypropylene yarns : easy processing, light weight and high strength.

Domestic use

The high resistance against wear makes polypropylene yarns suitable for other, less obvious purposes as well. Pile yarns for very wear-resistance doormats fall in this category.

Road building

Woven mats are often used to stabilize road foundations in order to prevent subsidence. Fabric made from BEXCOfibres polypropylene yarns combines high strength with low extension, low creep and excellent and dependable stabilization of road foundations.

Shipping

The rope and cable industry in particular relies heavily on the use of polypropylene yarns. Hawsers made from these relatively inexpensive yarns display load-stretch characteristics which make them first choice for mooring ropes all over the world. It goes without saying that their properties are completely unaffected by (sea) water. Their abrasion resistance gives them a long service life under proper handling conditions.

Cable industries

Most of the cable manufacturers are using split PPstrings as fillers and binders, especially for multi-core power cable design.



Hydraulic engineering

Mats and submerged rafts for reinforcing dikes and protecting beds of rivers and estuaries are currently manufactured almost exclusively from polypropylene yarns because of their combination of favourable properties. In this context it is worth mentioning that Bexco Fibres is one of the very few companies who can supply a certain type of yarn with a life-expectancy in seawater of at least two hundred years for hydraulic applications.

Bex-Tapes

| Gr/m | Dtex | Den | M/kg |
|-----------|--------|--------|------|
| from 0,33 | 3300 | 2950 | 3000 |
| to 5,00 | 50 000 | 45 000 | 200 |

Fibrilated and/or profiled.
Spools min. 6 kg
Spools max. 30 kg

Bex-Yarns

| Gr/m | Dtex | Den | M/kg |
|-----------|--------|--------|------|
| from 0,55 | 5550 | 5000 | 1800 |
| to 4,20 | 42 000 | 37 500 | 240 |

1 ply - fibrilated and/or profiled.
Spools min. 2 kg
Spools max. 5 kg

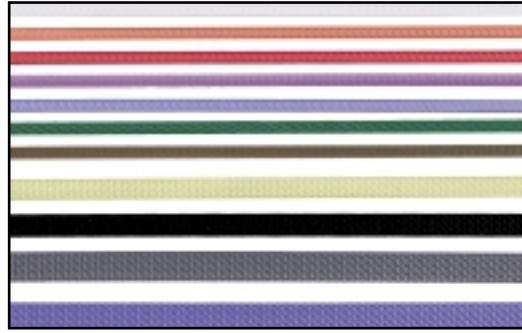


POLYCHIM

BEXCOfibres

strapping runs on any machine

BEXCOfibres



BEXCOfibres can offer you a complete range of embossed PP strapping on different tubes.

Bex-Strap

| Width (mm) | Thickness (mm) | Innercore diameter (mm) | Resistance (kgf) |
|------------|----------------|------------------------------|------------------|
| 5 | 0,35 upto 0,50 | 62/150/184/200/280 | 50 upto 70 |
| 6 | 0,57 | 200 | 75 |
| 8 | 0,45 upto 0,55 | 200/280 | 75 upto 105 |
| 9 | 0,55 upto 0,73 | 150/200/280/406 | 100 upto 185 |
| 12 | 0,45 upto 0,90 | 150/200/280/406/dispenser | 140 upto 300 |
| 15 | 0,45 upto 0,90 | 62/150/200/280/406/dispenser | 150 upto 380 |

On demand of the customer "tailor-made" products can be developed. A cooperation between the R&D department of the manufacturer and the customer is in this point of view extremely important



Reference List Yarns & Strapping



Strapping:

FERAG, U.K., Australia, Belgium, Netherlands
 CYKLOP, Belgium, Germany, Netherlands
 ETERNIT, worldwide
 AGFA GEVAERT, Belgium
 GROENTEN- EN FRUITVEILINGEN, Belgium
 NMPP, France
 BÜHRMANN UBBENS PACKAGING, Netherlands
 HEBDOPRINT, France
 LE MONDE, France
 SICAVIC, France
 CIPP, France

Yarns:

COLRUYT, Belgium
 TEN CATE NICOLON, Netherlands
 ROBUSTA, Netherlands
 WEVERIJ VAN HOUTE, Belgium
 BEXCORopes, Belgium
 VAN DER LEE, Netherlands
 LANKHORST/INDUTECH, Netherlands



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