

# Procotex-Masters in Textile Recycling:

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Nowadays, sustainability is not just a philosophy but also a way of living and to assure a sustainable future. In our society, recyclability of waste has become little by little a legal as well as a moral obligation. So why would you pay more for first grade fibers, if you can obtain the same benefits with cheaper recycled fibers?

Procotex Corporation S.A. known as a specialist in the preparation of flax for the spinning industry and nonwovens, and as a leader in the recycling of natural (jute / kenaf / sisal ...) and synthetic (PP, PA, synthetic blend) fibers, now offers a new range of recycled fibers based on technologies from composite fibers. Procotex Corporation S.A. is a subsidiary of the holding company, Dolintex. NV. Dolintex:

- Head office and recycling of textile waste in Belgium
- Two flax producing sites in Lithuania
- Apply Carbon specialize in milling and precision cutting in France.

Sustainability and conversion of raw material have always been the

cornerstones of our company philosophy. We have so invested for the past 25 years to meet the market, supplies and most importantly our customers' needs. With a solid experience, a thorough R&D, a thorough quality assurance and a real professionalism, we continue to invest to offer recycling solutions and quality product.

## SYNTHETIC RECYCLED FIBERS

Procotex is a market leader in recycled 100% PP fibers. We recycle all kinds of PP wastes from the extrusion industry or the carpet industry. Procotex is proud to guarantee 100% purity. This way our customers are guaranteed that any possible contamination with other fibers is excluded.

In recent years, Procotex also invested in productive and flexible machinery. The focus was especially on automation, weighed blending and obviously environmentally friendly cleaning stations.

As a special customer-oriented company, we offer you weighted blends of up to 4 components. Procotex is also a real specialist in the close blending of flax with PP or

other natural fibers. Thanks to the use of blending rooms, we can guarantee a homogenous and high quality blending. Most of our business is composed of Cotton/Polyester, acrylic/PP, PP/natural fiber blends but this list is not exhaustive and we are proud to work on innovative blend to give technical specific properties to our fibers.



*Main application: Automotive (thermo bonding applications), Insulation, Filter, Concrete, Geotextile, Thermoplastic, Drainage industries*

## NATURAL RECYCLED FIBERS

Procotex recycles all kinds of waste of natural fibers and yarns. With more than 50 years of experience in the flax preparation and 25 years in recycling business, we specialize in advising our customer on natural fibers. We are able to process every kind of fiber with a length comprised between 250 µm to 120 mm.

Nowadays, the properties of natural fibers are being “rediscovered”.

The development of a bio sourced advanced product is no longer a dream, but turned into reality. Vibration absorption, mechanical, insulation, design, resin wettability and light weight properties are one of the main advantages of the natural fibers. Moreover, they have exceptional ecological properties.

Natural fibers have therefore grown in various conventional markets as well as in innovative industrial sectors. In the world economical context, these sectors are after all required to develop sustainable production processes.

Main applications: Automotive, Transport, Composite, Insulation, Filter, Spinning, Drainage industries

## TECHNICAL FIBERS

### Carbon fiber



Thanks to the acquisition of Apply Carbon (FR), Procotex inherited many years of technological experience in the milling or cutting of Carbon leftovers lots. Because of its excellent properties, Carbon Fiber is used more and more in the composite industry. This is also why together with the industry (aeronautic, transport) we are working on a solution involving industrial waste and end-of-life Carbon waste.

We develop projects in high resistant plastics (Composites, depth float, brake lining) or in conductive /antistatic plastics (electrical cabinet, computer components).

Main applications: Filter, Electric, Composite, Coating, Adhesive, Paint, Seals, Ceramic, Rubber, Concrete, Plastic industries

### Aramid fiber

Procotex Corporation is a leading manufacturer and exporter of recycled Aramid fibers. We have also become world-famous in the pulling of Aramid fabrics or –yarns. Waste lots and production waste is collected worldwide



Thanks to our 25 years' experience, these fibers are cut and pulled with state-of-the-art machinery. They are then baled in bales of 300 kg and finally they are packed with a UV-protective foil. These opened Aramid fibers are reused in the spinning process or with the production of non-woven fabrics.

Procotex Corporation can also cut rovings or yarns in precision lengths (250  $\mu$ m - 120 mm). This in the context of highly technical applications such as for instance in compounding, injection moulding or thermoset applications. We can also work on commission in precision cutting of Aramid fibers. Moreover, Procotex, through its partnership and its investment, is now able to recycle all types of fiber and cut them at several



lengths (38 mm, 51 mm) for spinning or composite industries (plastic part faced to friction or fire).

Main application: Paper, Seals, Automotive, Transport, Spinning, Filter, Rubber, Composite, Plastic industries

## OTHER TECHNICAL FIBERS

Apart from the processing of Carbon and Aramid fibers, Procotex Corporation specializes in the trade and processing of other technical fibers. We are so able to process an entire range of technical fibers available on the market: Preox, Basalt, Preox (or PANox), PTFE, acrylic precursor tow, P84, PBI, etc.

Main application: Automotive, Insulation, Composite, Spinning, Plastic industries

For more information contact:  
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