

## PP HIGH TENACITY FIBERS FOR GEO- AND AGRO-TEXTILES

EXELTO® Polypropylene fibers for Geotextiles are 100% virgin polypropylene fibers, specially developed and designed for the demanding tasks in Nonwoven geotextiles applications.

### Main characteristics

EXELTO® offers a.o. the following:

- Fine or course denier: From very fine filtration nets to thick protective screens
- Treated UV : Sunlight resistant
- Anti oxidant treatment : Reduces degradability
- Hydrophilic and hydrophobic treatment
- Low static : special chemical treatment in spin finish
- Anti bacteriological / anti - fungi: stain and soil resistant
- Very lightweight (PP and PE fibers have the lowest specific gravity of all fibers)
- Halogen free FR additive: free of heavy metal substances

### Application fields



#### Agrotech

- erosion control
- subsurface drains
- crop protection
- supportive underlying ground structure



#### Buildtech

- railways, roads : separation subsoil and layer of the road
- tunnel rehabilitation
- industrial building: protective layers
- ground improvement: reinforcement, stabilisation, filtration



#### Geotech

- waterproofing of dams, canals
- coastal protection, erosion control
- hydraulic engineering: water resources management, filtration
- landfill engineering: liners and covers

[www.exelto.com](http://www.exelto.com)



# Product Data Sheet

## Technical benefits Polypropylene fiber vs Polyester fiber in geotextile nonwoven

- + Lightweight: Lower specific weight (more material for same weight)
- + Excellent resistance towards acids, alkalis (caustic solutions) and other chemicals
- + Better abrasion results in nonwoven geotextiles.



### Technical data

|                 |                        |
|-----------------|------------------------|
| Titer           | 2,8 to 6 dtex          |
| Cutlength       | 40 – 120 mm            |
| Tenacity        | 3,8 – 5,4 cN/dtex      |
| Elongation      | > 40% - > 80%          |
| Crimps          | 2 - 6 per cm           |
| Specific weight | 0.91 g/cm <sup>3</sup> |
| Melting point   | 163 ° C                |
| Color           | Ecru or any color      |

### Packaging

Bales:  
net weight 170 – 240 kg  
Dimensions 115 x 110 x 60 cm  
PP or PE wrapping with PES Plastic binders (straps)

Loading daily, for worldwide delivery,  
in full trucks (approx. 96 bales = 20-22 Tons)  
20 ft containers (approx. 40 bales = 8-9 Tons)  
40 ft containers HC (approx. 86 bales = 17-19 Tons)