

General information: Virelon® is registered trademark for air-texturized polypropylene bulked continuous filament yarn (PP BCF), based on polypropylene.

The fiber is produced in the following types

Virelon® BS	> air entangled
	> air entangled, cabled
Virelon® N	> non-entangled

Basic characteristics:

Virelon® is a cable of air-texturized continuous fibers of Y-shaped cross section. It is produced raw-white or spun-dyed in a wide range of colors in according to the current sample card or to a mutual agreed sample. The surface of the fibers is treated with a proper lubrication which positively affects the further treatment of the yarn. PP BCF is resistant to acids, alkalis, oil and other chemicals. When compared with other synthetic fibers it absorbs very little water (less than 0,1 % at 20 °C and 65 % relative air humidity). As a result dirt particles do not penetrate into the fiber and can be easily removed from the surface. The fiber does not dissolve at the room temperature in any solvent. The softening point of the fiber is 140 °C and melting point is 165 °C. It is resistant to microorganisms and moulds and does not provoke any allergic reactions. The PP BCF has the lowest specific gravity (0,91 g/cm³) of all types of synthetic fibers. The fiber is supplied cross-wound on cylindrical tubes.

Properties	Virelon® BS	Virelon® N	Virelon® BS cabled
Total denier, dtex	1330,2100,2600,2670, 2900,4000,4200	1330,2100,2600,2670, 2900,4000,4200	3990,6300,7800, 8010,8700,12000
Number of filaments	60,120,240 72,144,288 75,150	60,120,240 72,144,288 75,150	200 - 600
Denier variation, %	± 3 mono-colour, ± 5 blended	± 3 mono-colour, ± 5 blended	± 5 blended
Bulkiness, %	12-18	12-18	12-18
Entangled points per 1 m	min. 22	-	min. 22
Tenacity, cN/dtex	1,4	1,4	1,4
Elongation, %	110	110	110
Lubrication content, %	max. 1	max. 1	max. 1

Main areas of application:

Virelon® is designed mainly for production of tufted floor-covering and woven carpets, as well as for production of upholstery and decoration fabrics. The products from PP BCF have a long durability and excellent utility properties. The PP BCF has a good abrasive resistance, good insulation properties and can be easily maintained.

Packing and storage:

Weight of winding on bobbin: 1300 dtex - 4,5 kg ± 3%, other - 4,0 kg ± 3%. The packing unit is one pallet. Individual bobbins are placed on pallet in 7 layers, with 25 bobbins in one layer. Total net weight of one pallet is 700 kg. The pallet is wrapped and fixed in a stretch foil. Storage should provide protection against atmospheric effects, dust and mechanic damage

The given data are only of an informative character and are not comprehensive. Further information can be obtained:

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