

## Inbitex geotextile

### Product Data Sheet

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#### Fibre composition

Polypropylene core (70%)/polyethylene sheath (30%)

#### Mechanical Properties (Mean values)

Tensile Strength	EN ISO 10319	kN/m	8.5
Elongation	EN ISO 10319	%	28
CBR Puncture Resistance	EN ISO 12236	N	1575
Trapezoidal Tear Resistance	ASTM D4533	N	325

#### Hydraulic Properties (Mean values)

Permeability ( $H_{50}$ )	EN ISO 11058	$l/m^2.s$	80
Opening Size ( $O_{90}$ )	EN ISO 12956	$\mu m$	145
Water Breakthrough Head	BS6906: Part 3	mm	50
Air Permeability	ISO9237	$l/m^2.s$	2875

#### Roll Dimensions<sup>(2)</sup>

Roll Width		m	4.5, 2.25
Roll Length		m	100

# Durability

This product is predicted to be durable for more than 25 years in soils with a pH in the range 2 to 14 and with a temperature of less than 25°C.

## Chemical resistance

Polypropylene and polyethylene are unaffected by the chemicals which normally exist in soils.

## Biological resistance

Polypropylene and polyethylene are not nutrients for micro-organisms and do not provide nourishment for animals & insects.

## UV exposure

Fiberweb Geosynthetics' products are delivered to site in polyethylene wrapping to protect against the effects of ultra-violet radiation. It is recommended that the products remain wrapped until their installation.

Once unwrapped, the products should be completely covered with fill within 14 days to avoid exposure to UV radiation.

Versions of most products can be manufactured with enhanced UV performance by incorporating stabilisers. These versions carry the suffix UV.

The remaining properties are identical to the corresponding standard grade.

Adequate precautions should always be taken to protect all products from UV radiation to achieve the stated durability.

## Notes:

1. Refer to the *Terram Jointing Methods* (downloadable from [www.terram.com](http://www.terram.com)) for when simple overlaps are required for subsequent and adjacent roll lengths. However, pegging, sewing, stapling or gluing can also be used depending upon the application, the sub-grade conditions, the loading, the convenience and the cost.
2. These figures relate to standard product weights and roll sizes. Other weights, sizes and colours may be available on request. For further information please contact Fiberweb Geosynthetics' Technical Support.

As part of its continual improvement process Fiberweb Geosynthetics Ltd reserve the right to change the properties listed on this data sheet without prior notice.

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