

WEEDSECURE

PRO WEED BARRIER

Datasheet

Material Specification

WeedSecure Pro - Needle Punched Non-woven Geotextile

Product description

Polymer	Density	Melting Point	Construction
PP	0.91 kg/dm ³	165°C	Fibres

Properties

Mechanical Properties	Standard	Performance	Tolerance
Tensile strength - MD	EN ISO 10319	22 kN/m	-2.9 kN/m
Tensile strength - CMD	EN ISO 10319	22 kN/m	-2.9 kN/m
Elongation at maximum load - MD	EN ISO 10319	50 %	+/- 11,5 %
Elongation at maximum load - CMD	EN ISO 10319	55 %	+/- 12,7 %
Static puncture resistance (CBR)	EN ISO 12236	4 kN	-0.8 kN
Dynamic perforation resistance (cone drop)	EN ISO 13433	12 mm	+3 mm

Hydraulic Properties	Standard	Performance	Tolerance
Water permeability normal to the plane (vh50)	EN ISO 11058	60 l/m ² s	-18 l/m ² s
Waterflow in the plane, @20 kPa	EN ISO 12958	3,0x10 ⁻⁶ m ² /s	-9x10 ⁻⁷ m ² /s
Characteristic Opening Size (O90)	EN ISO 12956	90 µm	+/-27,0 µm

Physical Properties	Standard	Performance	Tolerance
Thickness under 2 kPa	EN ISO 9863-1	2.4 mm	+/- 0,48 mm
Weight	EN ISO 9864	300 g/m ²	+/- 30 g/m ²
Length (+/- 1%) x width (+/- 1%)	-	100 x 5.25 m	-
Roll diameter (+/- 10%)	-	54 cm	-

Durability	Standard	Performance
Predicted minimal durability in years in natural soils with 4 < pH < 9 and soil temperatures < 25°C	Applicable application standard: Annex B	100
Maximum allowed time between installation and covering of the geosynthetic	EN 12224	1 month

WeedSecure Pro contains UV inhibitors and is suitable for outdoor applications.

For further assistance call our team on **020 3597 0843**