

Plantex[®] RootBarrier

Technical Data Sheet

DuPont™ Plantex[®] RootBarrier is made with a nonwoven fabric of thermally bonded, continuous polypropylene filaments coated with an impermeable green layer. It is used as a root barrier to be installed into the soil, the green side facing the roots.

Property	Standard	Unit	Value
Descriptive properties			
Area Weight	EN ISO 9864	g/m ²	325
Thickness under 2kN/m ²	EN ISO 9863-1	mm	0.8
Mechanical properties			
Tensile strength	EN ISO 10319	kN/m	25
Elongation	EN ISO 10319	%	41
Tear resistance	ASTM D4533	N	800
Static puncture resistance	EN ISO 12236	N	3500
Dynamic puncture	EN ISO 13433	mm	11

*Note: The values correspond to average results obtained in our laboratories and outside institutes and are indicative. The right is reserved to make changes at any time without notice.

Product Description

• Polymer	100% Polypropylene
• Specific gravity	0.91
• Melting point	165°C
Type of fibre	continuous filament with impermeable layer
• Fibre diameter	40/60 µm
• Fibre bonding	Thermal bonding
• Colour	one side grey / one side green

Packaging

Possible widths	0.5m, 0.7m, 1.0m, 1.4m, 2.0m
Roll length depending:	30m, (100m for 2m width)

Durability

Natural UV light	Must be protected from natural UV light
Moisture	Does not absorb moisture
Rot, mildew	Unaffected
Natural occurring acids and alkali	Unaffected
Chemical resistance	EN 14030 100% retained strength
Microbiological resistance	EN 12225 100% retained strength
Root resistance	EN 14416 No perforations

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Further product information is available upon request. This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own testing. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. This information may be subject to revision as new knowledge and experience becomes available. Since we cannot anticipate all variations in actual end-use conditions DuPont makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent right.

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