

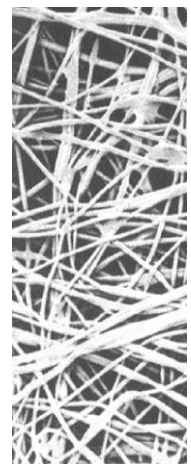
Data Sheet: Horticultural Separation and Filter Fabric (MiniPack)



Description

The TERRAM horticultural geotextile is a highly durable and versatile geotextile consisting of a thermally bonded core-sheath fiber nonwoven fabric. This special spunbonded nonwoven fabric therefore has, on the one hand, very high mechanical strength to safely and permanently separate different types of soil or materials, and on the other hand, a comparatively large pore size to quickly allow large amounts of water, nutrients, and air to pass through while still filtering out fine soil particles. In addition to its separation and filtration functions, TERRAM Horticultural Fabric also serves as weed control. The special fiber structure prevents weeds from growing through the fabric. Furthermore, the material retains very little water, which significantly hinders the germination of wind-borne seeds above the horticultural fabric. However, water is retained beneath the core-sheath fiber nonwoven itself, preventing the soil from drying out too quickly.

With these properties and available product sizes, TERRAM horticultural fleece can be used in a variety of ways in garden design and landscaping. TERRAM horticultural fleece is made from environmentally neutral and UV-stabilized PP/PE and therefore has no impact on the soil or groundwater. Thanks to the fleece's sturdy structure, the material can be cut easily without fraying and is easy to lay.



Functions

- **Filtering** - ensures the permeability of water, air, and nutrients while filtering out the smallest soil particles
- **Separation** – separates different soil types and prevents the mixing of different materials
- **Weed control** – prevents weeds from growing through and the germination of airborne seeds on the top side of the geotextile

Applications

- Path and patio construction
- Paving
- Gardening, rock gardens, pond construction
- Flower beds and plantings
- Drainage
- Pipelines and cable routes
- Sandboxes

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Technical data

			Horticultural separation and filter fabric (MiniPack)
Mechanical properties (average values)			
Tensile strength	(EN ISO 10319)	kN/m	7.5
Maximum tensile strain	(EN ISO 10319)	%	30
Punch penetration force (CBR)	(EN ISO 12236)	N	1,350
Cone drop test	(EN ISO 13433)	mm	44
Physical properties (standard values)			
Raw material			PP and PE
Color		mm	White
Thickness	(EN ISO 9863-1)	g/m ²	0.70 mm
Basis weight	(EN ISO 9864)		110
Hydraulic Properties (Average Values)			
Water permeability	(EN ISO 11058)	l/m ² s	105
Opening width O90	(EN ISO 12956)	µm	160
Resistance			
In soils with a pH between 2 and 14 and a soil temperature below 25°C			>25 years
Microbiological resistance	(EN ISO 12225)	%	No effect
Resistance to acids/alkalis	(EN ISO 14030)	%	No effect
UV resistance			Yes

Note

The products are delivered packaged in PE film to protect them from damage caused by UV radiation. It is recommended to keep the products packaged until installation. Once removed from the film, they should be installed within 14 days and adequately covered to protect them from unnecessary UV radiation.