CE
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1213-CPR-5681

Mattex
Geosynthetics

TECHNICAL DATA SHEET

Revision 05, dd. 16th Apr 2015

GeoMatt TB9

Non-Woven Geotextile manufactured from UV-stabilized polypropylene staple fibres, Needle punched and Thermally Bonded

Suitable for the following applications:

☑	**EN 13249:2000+A1:2005:** Characteristics required for use in the construction of roads and other trafficked areas	☑	**EN 13250:2000+A1:2005 :** Characteristics required for use in the construction of railways
☑	**EN 13251:2000+A1:2005 :** Characteristics required for use in earthworks, foundations and retaining structures	☑	**EN 13252:2000+A1:2005 :** Characteristics required for use in drainage systems
☑	**EN 13253:2000+A1:2005 :** Characteristics required for use in erosion control works (coastal protection, bank revetments)	☑	**EN 13254:2000+A1:2005 :** Characteristics required for use in the construction of reservoirs and dams
☑	**EN 13255:2000+A1:2005 :** Characteristics required for use in the construction of canals	☐	**EN 13256:2000+A1:2005 :** Characteristics required for use in the construction of tunnels and underground structures
☑	**EN 13257:2000+A1:2005 :** Characteristics required for use in solid waste disposal	☑	**EN 13265:2000+A1:2005 :** Characteristics required for use in liquid waste containment projects

Functions	*Separation*	*Filtration*	*Protection*	*Drainage*	*Reinforcement*
	☑	☑	☑	☑	☐

Characteristic	*Test Method*	*Unit*		*Nominal Value*
Mass per unit area	EN ISO 9864	g/m²		110
Thickness	EN ISO 9863-1	mm	2 kPa	1.05
Wide – Width Tensile Strength	EN ISO 10319	kN/m	MD	10
			CMD	10
Elongation	EN ISO 10319	%	MD	45
			CMD	50
Static Puncture Resistance	EN ISO 12236	N		1650
Dynamic Perforation Test	EN ISO 13433	mm		29
Characteristic Opening Size	EN ISO 12956	μm		110
Permeability normal to the plane	EN ISO 11058	l/(m².s)		110
Pyramid Puncture Resistance	EN 14574	N		NA
Durability Prediction	To be covered within **1 month** after installation. Predicted to be durable for more than 25 years in natural soils with 4<ph<9 and soil temperature <25 °C			
Oxidation Resistance	EN ISO 13438	**Retained Strength >90% at (110±1)°C after 14 days exposure**		
Resistance to Weathering	EN 12224	**Retained Strength of ≥ 75% after 50 MJ/m2 exposure**		

MD : Machine Direction – CMD : Cross Machine Direction – NR : Not Required for application

TOLERANCE ON ROLL WIDTH: ± 5 cm. TOLERANCE ON ROLL LENGTH: ± 2% IF LENGTH ≤ 200 m. ± 1% IF LENGTH > 200 m.
STANDARD CORES: HDPE. DIAMETER INNER100mm /OUTER 110mm ± 5%. TOLERANCE ON GROSS/NET WEIGHT ± 10%.TOLERANCE ON MECHANICAL & PHYSICAL SPEC ± 10%.
TOLERANCE ON ELONGATION @ BREAK ± 20%.TOLERANCE ON HYDRAULIC SPECIFICATION ± 30%. TECHNICAL DATA BASED ON STATISTIC ANALYSIS ON 95% CONFIDENCE LIMIT.

Issued	
Date	*MDM*
16/04/2015	MDM

Verified	
Date	*PHG*
16/04/2015	PHG

Approved	
Date	*MNV*
16/04/2015	MNV

Our products are tested on regular basis in our in-house laboratory and on periodical basis by international independent laboratories

Notes:

1. Mattex Geosynthetics reserves the right to alter product specifications without prior notice.
2. It is the responsibility of all users to satisfy themselves that the above data is current.
3. The above figures are average values obtained from testing current EN geotextile test standards. Although, not guaranteed, these results to the best of our knowledge, offer a true & accurate record of products performance.
4. We cannot accept responsibility for the performance of these products as the conditions of use are beyond our control.
5. Installations details & storage guidelines are available on request.
6. This document should not be construed as engineering advice.

Certifying Body: SKZ Das Kunststoff-Zentrum

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