

TECHNICAL DATA SHEET OF ROOTGUARD

RootGuard provides excellent resistance to root development; confirmed in numerous commercial projects. RootGuard is permeable and has high tensile strength and puncture resistance and is capable of withstanding the differential forces that can develop in soils.

PROPERTIES	TEST METHOD	UNITS	MEAN VALUE (APPLIED TOLERANCE VALUE)
MECHANICAL			
Wide-Width Tensile Strength	EN ISO 10319	kN/m	18 (-2)
Elongation	EN ISO 10319	%	50 (±15)
C.B.R. Puncture Resistance	EN ISO 12236	N	3250 (-325)
Cone Drop	EN ISO 13433	mm	24 (+5)
HYDRAULIC			
Permeability (H ₅₀)	EN ISO 11058	l/m ² s	55 (-18)
Opening Size O ₉₀ (C.O.S.)	EN ISO 12956	µm	100 (±30)
PHYSICAL			
Thickness @ 2kPa (Typical Values)	EN ISO 9863-1	mm	1.06
Roll Width	-	m	2.25
Roll Length	-	m	25
Roll Weight	-	kg	17

Composition: Polypropylene & Polyethylene.

Durability: Predicted to be durable for more than 100 years in Natural soils with a range of pH 4-9.

Chemical Resistance: Resistant to naturally occurring soil alkalis. Resistant to all naturally occurring soil acids. i.e. to acids of pH > 2.

Exposure to Sunlight: Keep product wrapped until used. Unwrapped product shall cover within 15 days after installation to avoid UV radiation exposure.

Notes: PDS Issue No. 01/01-09-2024. The company reserves the right to make changes in published data without any notice.

The above given are average mean values obtained in our laboratories and in testing institutes.

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