

TECHNICAL DATA SHEET OF WEEDGUARD

WeedGuard is proven for suppressing weeds in landscaping and garden applications without the need for chemicals. This geotextile is designed to allow the passage of water, oxygen and nutrients while blocking weeds. Weedguard is being installed at the interface between soil and decorative layer like bark chippings, stone chippings, pebbles or gravel.

PROPERTIES	TEST METHOD	UNITS	MEAN VALUE (APPLIED TOLERANCE VALUE)
			WEEDGUARD
MECHANICAL			
Wide-Width Tensile Strength	EN ISO 10319	kN/m	6.0 (-0.60)
Grab Tensile Strength	ASTM D4632	N	500 (-85)
Elongation	EN ISO 10319 ASTM D4632	%	40 (±15)
C.B.R. Puncture Resistance	EN ISO 12236 ASTM D6241	N	1050 (-105)
Trapezoidal Tear Strength	ASTM D4533	N	250 (-60)
Cone Drop	EN ISO 13433	mm	42 (+8)
HYDRAULIC			
Permittivity	ASTM D4491	s ⁻¹	2.26
Permeability (H50)	EN ISO 11058 ASTM D4491	l/m ² s	115 (-35)
Opening Size	EN ISO 12956	µm	180 (±50)
Opening Size	ASTM D4751	mm	0.294 (±30%)
ENDURANCE			
UV Resistance @500 Hrs	ASTM D4355	%	≥70
PHYSICAL (Typical Value)			
Thickness @ 2kPa	EN ISO 9863-1 ASTM D5199	mm	0.55
ROLL DIMENSIONS			
Width	-	m	2.25
Length	-	m	25
Weight	-	kg	11.25

Composition: Polyolefin
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: TDS Issue No. 01/01-11-2024. The company reserves the right to make changes in published data without any prior notice
The values given for tensile and tear strengths are average of MD and CMD obtained in our in-house laboratory and/or in testing institutes

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