

GEOTRAX TRP4000

NW GEOTEXTILE

GeoTrax TRP-4000 is a non-woven needle punched geotextile, manufactured from polypropylene fibres.

TRP-4000 is used as a separation layer beneath the GeoTrax GX cellular confinement system in tree root protection applications.



MECHANICAL PROPERTIES

	TEST METHOD	UNITS	VALUES
Tensile Strength – MD	EN ISO 10319	kN/m	24.0
Tensile Strength – XD	EN ISO 10319	kN/m	24.0
Elongation at break - MD	EN ISO 10319	%	50.0
Elongation at break - XD	EN ISO 10319	%	55.0
CBR Puncture Resistance	EN ISO 12236	N	4000
Dynamic Cone Drop	EN ISO 13443	mm	12.0
Protection Efficiency	EN ISO14574	N	385.0

HYDRAULIC PROPERTIES

	TEST METHOD	UNITS	VALUES
Characteristic Opening Size	EN ISO	m/s	75×10^{-3}
Permeability	EN ISO	$l/m^2.s$	75
Waterflow Normal to the Plane	EN ISO	M^2/s	8×10^{-3}
Waterflow in the Plane	EN ISO	μm	70.0
Oil retention *		l per $10m^2$	>6

PHYSICAL PROPERTIES

	TEST METHOD	UNITS	VALUES
Thickness under 2 kPa	EN ISO 9863-1	mm	2.4
Weight	EN ISO 9864	g/m^2	300
Roll Size		m	2.62m x 25m

*TRP4000 was tested under pressure of 120kPa to replicate pressure of pavement installation and traffic



For more information, contact us
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