

DATA SHEET

DRAINATEX

PRODUCT DESCRIPTION: Nonwoven needled geocomposite, designed for horizontal drainage

FUNCTION: Drainage

RAW MATERIAL: Polypropylene / polyester

TECHNICAL DATA TABLE

	PROPERTIES	TEST METHOD	VALUES	
			Metric	Imperial
PHYSICAL	Thickness	ASTM D5199	7.0 mm	280 mils
	Mass per unit area	ASTM D5261	-	-
HYDRAULIC	Resistance to penetration by water	CAN/CGSB-4.2 - No 26.3	0 – 20 mm	0 – 0.79 in
DIMENSIONS	Standard width	-	3.4 m	11.2 ft
	Standard length	-	30.0 m	98.4 ft

TECHNICAL DATA TABLE - TRANSMISSIVITY AS A FUNCTION OF COMPRESSION

CONSTRAINT		THICKNESS (± 15 %)		TRANSMISSIVITY (± 15 %)
kPa	psi	mm	mils	
8	1.2	8.00	320	2.0×10^{-4} m ² /sec
20	2.9	6.90	276	1.5×10^{-4} m ² /sec
50	7.3	5.75	230	0.9×10^{-4} m ² /sec
200	29.0	3.40	136	0.2×10^{-4} m ² /sec

Note: test method ATSM D4716, gradient =1

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APPLICATIONS: Permanent public roadway
Roadway widening
Airport runways
Slab and building foundation