

DATA SHEET

TX-300

PRODUCT DESCRIPTION : Nonwoven needled geotextile

FUNCTIONS : Protection, separation and reinforcement

RAW MATERIAL : Polypropylene

TECHNICAL DATA TABLE

	PROPERTIES	TEST METHOD	VALUES	
			Metric	Imperial
PHYSICAL	Thickness	ASTM D5199	≥ 2,5 mm	≥ 100 mils
	Mass per unit area	ASTM D5261	≥ 250 g/m ²	≥ 7,4 oz/yd ²
MECHANICAL	Tensile strength	ASTM D4632	≥ 1000 N	≥ 225 lb
	Elongation at break	ASTM D4632	≥ 50 %	
	Tear strength	ASTM D4533	≥ 385 N	≥ 87 lb
	Puncture strength (CBR)	ASTM D6241	≥ 3310 N	≥ 738 lb
HYDRAULIC	Permeability ¹	ASTM D4491	≥ 0,24 cm/s	
	Permittivity	ASTM D4491	≥ 0,90 s ⁻¹	
	Filtration opening size (FOS)	CAN/CGSB-148,1 - No 10-94	45 - 150 µm	
PERFORMANCE AND DURABILITY	UV** resistance (500 hours)	ASTM D4355	≥ 70 %	
DIMENSIONS	Standard width ¹	-	3,81 m	12,5 ft
	Standard length ¹	-	100 m	328 ft

NOTE 1 : Property not part of the product certification by the BNQ.

*CVMS : Coefficient of variation of Mass per unit area.

**UV: Ultraviolet.

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APPLICATIONS : Railway tracks

Basins

Retaining walls and embankments

Bank protection

Dams and dikes

