

DATA SHEET

TX-800

PRODUCT DESCRIPTION : Nonwoven needled geotextile

FUNCTIONS : Protection, separation and reinforcement

PRODUCT SPECIFICATION : Standard BNQ 7009-210/2017 , using protocol BNQ 7009-910/2018 and the grade P3.
Compliant with the CCDG of MTQ.

RAW MATERIAL : Polypropylene / polyester

TECHNICAL DATA TABLE

	PROPERTIES	TEST METHOD	VALUES	
			Metric	Imperial
PHYSICAL	Thickness	ASTM D5199	≥ 3.5 mm	≥ 140 mils
	Mass per unit area	ASTM D5261	≥ 410 g/m ²	≥ 12.1 oz/yd ²
MECHANICAL	Tensile strength at < 5 % of CVMS*	ASTM D4632	≥ 1470 N	≥ 330 lb
	Tensile strength at 5 % to < 10 % of CVMS*	ASTM D4632	≥ 1545 N	≥ 347 lb
	Tensile strength at 10 % to < 15 % of CVMS*	ASTM D4632	≥ 1615 N	≥ 363 lb
	Elongation at break	ASTM D4632	≥ 50 %	
	Tear strength	ASTM D4533	≥ 515 N	≥ 116 lb
	Puncture strength (CBR)	ASTM D6241	≥ 4000 N	≥ 899 lb
HYDRAULIC	Permeability ¹	ASTM D4491	≥ 0.25 cm/s	
	Permittivity	ASTM D4491	≥ 0.70 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

