

DATA SHEET

ROUTE X IV

PRODUCT DESCRIPTION : Nonwoven needled geotextile

FUNCTIONS : Filtration and separation

PRODUCT SPECIFICATION : Standard BNQ 7009-210/2017 , using protocol BNQ 7009-910/2018 and the grade F1, Compliant with the CCDG of MTQ

RAW MATERIAL : Polypropylene

TECHNICAL DATA TABLE

	PROPERTIES	TEST METHOD	VALUES	
			Metric	Imperial
PHYSICAL	Thickness ¹	ASTM D5199	≥ 0,8 mm	≥ 32 mils
	Mass per unit area ¹	ASTM D5261	-	-
MECHANICAL	Tensile strength at < 5 % of CVMS*	ASTM D4632	≥ 400 N	≥ 90 lb
	Tensile strength at 5 % to < 10 % of CVMS*	ASTM D4632	≥ 420 N	≥ 94 lb
	Tensile strength at 10 % to < 15 % of CVMS*	ASTM D4632	≥ 440 N	≥ 99 lb
	Elongation at break	ASTM D4632	≥ 15 %	
	Tear strength	ASTM D4533	≥ 180 N	≥ 40 lb
	Puncture strength (CBR)	ASTM D6241	≥ 1200 N	≥ 270 lb
HYDRAULIC	Permeability ¹	ASTM D4491	≥ 0.15 cm/s	
	Permittivity	ASTM D4491	≥ 2,00 s ⁻¹	
	Filtration opening size (FOS)	CAN/CGSB-148,1 - No 10-94	100 - 250 µm	
PERFORMANCE AND DURABILITY	UV** resistance (500 hours)	ASTM D4355	≥ 70 %	
DIMENSIONS	Standard width ¹	-	3,81 m	12,5 ft
	Standard length ¹	-	150 m	492 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 : Permanent public roadway
Roadway widening
Drainage trench
Retaining walls and embankments

