

DATA SHEET

TX-170

PRODUCT DESCRIPTION : Nonwoven needled geotextile

FUNCTIONS : Separation and protection

PRODUCT SPECIFICATION : This product is NTPEP tested for AASHTO M288 standard, Class 2.
OPSS 1860, nonwoven, Class II,
Table 601-1 of the New Brunswick specification, N3,
and Nova Scotia specification, Medium Duty.

PRODUCT CERTIFICATION : Standard BNQ 7009-210/2017 , using protocol BNQ 7009-910/2018 and the grade S2-P1
Compliant with the CCDG of MTQ

RAW MATERIAL : Polypropylene

TECHNICAL DATA TABLE

	PROPERTIES	TEST METHOD	VALUES	
			Metric	Imperial
PHYSICAL	Thickness ¹	ASTM D5199	≥ 1.2 mm	≥ 48 mils
	Mass per unit area ¹	ASTM D5261	-	-
MECHANICAL	Tensile strength at < 5 % of CVMS*	ASTM D4632	≥ 810 N	≥ 182 lb
	Tensile strength at 5 % to < 10 % of CVMS*	ASTM D4632	≥ 850 N	≥ 191 lb
	Tensile strength at 10 % to < 15 % of CVMS*	ASTM D4632	≥ 892 N	≥ 201 lb
	Elongation at break	ASTM D4632	≥ 50 %	
	Tear strength	ASTM D4533	≥ 333 N	≥ 75 lb
	Puncture strength (CBR)	ASTM D6241	≥ 2120 N	≥ 477 lb
HYDRAULIC	Permeability ¹	ASTM D4491	≥ 0.19 cm/s	
	Permittivity	ASTM D4491	≥ 1.4 s ⁻¹	
	Apparent opening size (AOS) ^{1,2}	ASTM D4751	212 µm	70 US Sieve
	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	-	4.57 m	15 ft
			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.

NOTE 2 : Maximum test value

**UV: Ultraviolet.

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APPLICATIONS : Temporary roadway
Permanent public roadway
Permanent private roadway
Public access road
Commercial parking areas
Storage and loading areas
Roadway widening

Airport runways
Basins

