

## DATA SHEET

TX-110

PRODUCT DESCRIPTION : Nonwoven needled geotextile

FUNCTION : Filtration

PRODUCT SPECIFICATION : This product is NTPEP tested for AASHTO M288 standard, Class 2.  
Alberta Transportation Standard Specifications for Highway Construction, Section 5.31.1, 5.31.3 and 5.31.4, Type B.

RAW MATERIAL : Polypropylene

### TECHNICAL DATA TABLE

	PROPERTIES	TEST METHOD	VALUES	
			Metric	Imperial
PHYSICAL	Thickness	ASTM D5199	≥ 1.3 mm	≥ 52 mils
	Mass per unit area	ASTM D5261	-	-
MECHANICAL	Tensile strength	ASTM D4632	≥ 712 N	≥ 160 lb
	Elongation at break	ASTM D4632	≥ 50 %	
	Tear strength	ASTM D4533	≥ 325 N	≥ 73 lb
	Puncture strength (CBR)	ASTM D6241	≥ 1825 N	≥ 410 lb
HYDRAULIC	Flow rate	ASTM D4491	≥ 4480 l/min/m <sup>2</sup>	≥ 110 gal/min/ft <sup>2</sup>
	Permittivity	ASTM D4491	≥ 1.50 s <sup>-1</sup>	
	Apparent opening size (AOS) <sup>(1)</sup>	ASTM D4751	212 µm	70 US Sieve
	Filtration opening size (FOS)	CAN/CGSB-148,1 - No 10-94	70 - 150 µm	
PERFORMANCE AND DURABILITY	UV* resistance (500 hours)	ASTM D4355	≥ 70 %	
DIMENSIONS	Standard width	-	3.81 m	12.5 ft
			4.57 m	15 ft
	Standard length	-	100 m	328 ft

NOTE 1 : Maximum test value

\*UV: Ultraviolet.

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APPLICATIONS : Slab and building foundation  
Drainage trench



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