

DATA SHEET

TX-90

PRODUCT DESCRIPTION : Nonwoven needled geotextile

FUNCTIONS : Filtration and separation

PRODUCT SPECIFICATION : This product is NTPEP tested for AASHTO M288 standard, Class 3.

Table 601-1 of the New Brunswick specification, N2,

the Nova Scotia specification, Light Duty

and Alberta Transportation Standard Specifications for Highway Construction, Table 5.31.1, Type A.

RAW MATERIAL : Polypropylene

TECHNICAL DATA TABLE

	PROPERTIES	TEST METHOD	VALUES	
			Metric	Imperial
PHYSICAL	Thickness	ASTM D5199	≥ 1,0 mm	≥ 40 mils
	Mass per unit area	ASTM D5261	-	-
MECHANICAL	Tensile strength	ASTM D4632	≥ 600 N	≥ 135 lb
	Elongation at break	ASTM D4632	≥ 50 %	
	Tear strength	ASTM D4533	≥ 250 N	≥ 56 lb
	Puncture strength (CBR)	ASTM D6241	≥ 1700 N	≥ 382 lb
HYDRAULIC	Flow rate	ASTM D4491	≥ 4600 l/min/m ²	≥ 115 gal/min/ft ²
	Permittivity	ASTM D4491	≥ 1,70 s ⁻¹	
	Apparent opening size (AOS) ¹	ASTM D4751	212 µm	70 US Sieve
	Filtration opening size (FOS)	CAN/CGSB-148,1 - No 10-94	60 - 180 µm	
PERFORMANCE AND DURABILITY	UV* resistance (500 hours)	ASTM D4355	≥ 70 %	
DIMENSIONS	Standard width	-	3,81 m	12,5 ft
	Standard length	-	4,57 m	15,0 ft
			150 m	492 ft

NOTE 1 : 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
 Basin
 Residential parking areas

