

# 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 <sup>2</sup>	≥ 115 gal/min/ft <sup>2</sup>
	Permittivity	ASTM D4491	≥ 1.70 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	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 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

