

DATA SHEET

TX-70

PRODUCT DESCRIPTION : Nonwoven needled geotextile

FUNCTIONS : Filtration and separation

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

OPSS 1860, nonwoven, Class I,

the Table 601-1 of the New Brunswick specification, N1

and Alberta Transportation Standard Specifications for Highway Construction, Table 5.31.3, Type A.

RAW MATERIAL : Polypropylene

TECHNICAL DATA TABLE

	PROPERTIES	TEST METHOD	VALUES	
			Metric	Imperial
PHYSICAL	Thickness	ASTM D5199	≥ 0,8 mm	≥ 32 mils
	Mass per unit area	ASTM D5261	-	-
MECHANICAL	Tensile strength	ASTM D4632	≥ 445 N	≥ 100 lb
	Elongation at break	ASTM D4632		≥ 50 %
	Tear strength	ASTM D4533	≥ 180 N	≥ 40 lb
	Puncture strength (CBR)	ASTM D6241	≥ 1320 N	≥ 297 lb
HYDRAULIC	Flow rate	ASTM D4491	≥ 6095 l/min/m ²	≥ 150 gal/min/ft ²
	Permittivity	ASTM D4491		≥ 2,05 s ⁻¹
	Apparent opening size (AOS) ¹	ASTM D4751	300 µm	50 US Sieve
	Filtration opening size (FOS)	CAN/CGSB-148,1 - No 10	75 - 150 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
			110 m	361 ft

NOTE 1 : Maximum test value

*UV: Ultraviolet.

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APPLICATIONS : Slab and building foundation
Drainage trench
Retaining walls and embankments

