

DATA SHEET

TX-80

PRODUCT DESCRIPTION : Nonwoven needled geotextile

FUNCTIONS : Filtration and separation

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	CAN/CGSB-148,1 - No 7,3	≥ 470 N	≥ 106 lb
	Elongation at break	CAN/CGSB-148,1 - No 7,3	≥ 50 %	
	Tear strength	CAN/CGSB-4,2 - No 12,2	≥ 222 N	≥ 50 lb
	Puncture strength (CBR)	ASTM D6241	≥ 1510 N	≥ 339 lb
HYDRAULIC	Permeability	CAN/CGSB-148,1 - No 4	≥ 0.24 cm/s	
	Permittivity	CAN/CGSB-148,1 - No 4	≥ 2.00 s ⁻¹	
	Filtration opening size (FOS)	CAN/CGSB-148,1 - No 10	70 - 130 μm	
PERFORMANCE AND DURABILITY	UV* resistance (500 hours)	ASTM D4355	≥ 70 %	
DIMENSIONS	Standard width	-	3.5 m	11.5 ft
	Standard length	-	150 m	492 ft

*UV: Ultraviolet.

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APPLICATIONS : Temporary roadway
Slab and building foundation
Drainage trench
Residential parking areas
Retaining walls, embankments and berms

