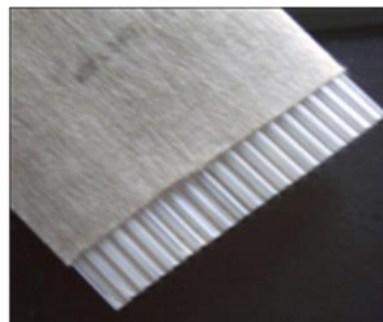


# USDS 76 Drain

USDS 76 prefabricated vertical drain is a two-part composite drainage system consisting of an inner corrugated plastic core wrapped with a spunbonded non-woven geotextile filter specifically designed for drains over 100 ft deep. The Geotextile fabric allows water to pass through while keeping out the soil. The type 76 drain is appropriate for the majority of soil consolidation improvement projects with all raw materials manufactured to ISO standards.



PHYSICAL PROPERTIES		TYPICAL US VALUE	TYPICAL SI VALUE	TEST METHOD
<b>FABRIC PROPERTIES</b>				
Material		Polypropylene	Polypropylene	
Grab Tensile Strength		250 lbs	1112 N	ASTM D-4632
Puncture Strength		80 lbs	356 N	ASTM D-4833
Trapezoidal Tear		100 lbs	645 x 355 N	ASTM D-4533
Mullen Burst Strength		240 psi	1655 kPa	ASTM D-3786
Elongation		27 x 20%	27 x 20%	ASTM D-4632
Permittivity		0.7 sec <sup>-1</sup>	0.7 sec <sup>-1</sup>	ASTM D-4491
Permeability		0.01 in/sec	0.03 cm/sec	ASTM D-4491
Permeability		0.04 in/sec	0.01 cm/sec	ASTM D-4491
Flow Rate		11 gal/min/ft <sup>2</sup>	1140 L/min/m <sup>2</sup>	ASTM D-4491
<b>CORE PROPERTIES</b>				
Material		Polypropylene	Polypropylene	
Tensile Strength		200 lbs	885 N	ASTM D-4632 (Mod.)
<b>PRODUCT PROPERTIES</b>				
Discharge Capacity		1.75 gal/min	6.6 L/min	ASTM D-4716
Roll Length		1000 ft	305 m	
Roll Width		4 in	102 mm	
Roll Weight		62 lbs	28 kg	
Thickness		0.133 in	3.4 mm	
All information, drawings and specifications are based on the latest product information available at the time of printing. Constant improvement and engineering progress make it necessary that we reserve the right to make changes without notice. All physical properties are typical values. Standard variations in mechanical properties of 10% and in hydraulic properties of 20% are normal.				



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