



USDS 74HF Drain

USDS 74HF 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. The Geotextile fabric allows water to pass through while keeping out the soil. The type 74HF 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
FABRIC PROPERTIES			
Material	Polypropylene	Polypropylene	
Grab Tensile Strength	130 lbs	578 N	ASTM D-4632
Puncture Strength	50 lbs	222 N	ASTM D-4833
Trapezoidal Tear	70 lbs	310 N	ASTM D-4533
Mullen Burst Strength	150 psi	1034 kPa	ASTM D-3786
Elongation	60%	60%	ASTM D-4632
EOS (AOS)	80 sieve	180 micron	ASTM D-4751
Permittivity	0.7 sec ⁻¹	0.7 sec ⁻¹	ASTM D-4491
Permeability	0.01 in/sec	0.03 cm/sec	ASTM D-4491
Flow Rate	80 gal/min/ft ²	3260 L/min/m ²	ASTM D-4491
CORE PROPERTIES			
Material	Polypropylene	Polypropylene	
Tensile Strength	200 lbs	885 N	ASTM D-4632 (Mod.)
PRODUCT PROPERTIES			
Discharge Capacity	3.2 gal/min	12.1 L/min	ASTM D-4716
Roll Length	1000 ft	305 m	
Roll Width	4 in	102 mm	
Roll Weight	52 lbs	23.6 kg	
Thickness	0.143 in	3.6 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.