

Soil Drain 707

Soil Drain 707 is a two part composite drainage system consisting of a polypropylene channeled core wrapped with a spun bonded non-woven geo-textile filter fabric. The following are typical mechanical and hydraulic properties of 707.

Physical properties	u.s. units	si units	test method
Core properties			
Mass(unit weight)	0.64 oz/ft	60.1 g/m	ASTM D 3776
Tensile Strength	200 lbs.	885 n	ASTM D 4632 (mod.)
Tensile strength	416 lbf.	1.82 kn	ASTM D 638 IVM
Crush Strength	483 psi		ASTM D 1621
Fabric Properties			
Mass(unit weight)	4 oz/syd	135.5 g/m	ASTM D 5261
Grab Tensile Strength	148 lbs		ASTM D 4632
Elongation at break	70%	70%	ASTM D 4632
Trapezoidal tear	70 lbs	310N	ASTM D 4533
Mullen Burst strength	150 psi	1034 kpa	ASTM D 3786
Puncture Strength	50 lbs	222N	ASTM D 4833
Permeability	.016 in/sec	.041 cm/sec	ASTM D 4491
Permittivity	0.8 sec	0.8 sec	ASTM D 4491
AOS/EOS	80	180 micron	ASTM D 4751
Flow rate	80 gal/min/ft	3259 L/min/m	ASTM D 4491
Composite Drain Properties			
Roll Length	1000 ft.	305 M	
Roll Width	4 inches	102 MM	
Roll Weight	63 lbs	28.4 kg	
Thickness	0.136 in.	3.45 mm	ASTM D 5199
Discharge Capacity	1.8 g	113.4m /s(x10)	ASTM D 4716

All specifications are based on the latest information available at time of publication. All properties are typical values. Standard variations in mechanical properties of 10% and in hydraulic properties of 20% are normal.