

AMERDRAIN PVD 407

PREFABRICATED VERTICAL DRAIN / PVD / WICK DRAIN



PRODUCT OVERVIEW

AMERDRAIN PVD 407 wick drain is one of the world's most widely used and accepted PVD designs offering unmatched performance and quality. AMERDRAIN PVD 407 sets the world standard on projects where PVDs are employed to control and accelerate the consolidation of soft or yielding soils due to excess pore water pressure.

AMERDRAIN PVD 407 is a two-part prefabricated soil drain consisting of a formed polypropylene core covered with a spunbonded nonwoven polypropylene geotextile filter fabric. The geotextile allows water to pass into the drain core while restricting the movement of soil particles which might otherwise clog the core.

PROPERTY ¹	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, SBNW	PP, SBNW
Grab Tensile Strength	ASTM D4632	lbs	150	130
		N	667	578
Grab Elongation	ASTM D4632	%	50	50
CBR Puncture	ASTM D6241	lbs	295	276
		N	1,312	1,228
Trapezoidal Tear	ASTM D4533	lbs	70	60
		N	310	290
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	80	60
		mm	0.180	0.250
Permittivity	ASTM D4491	sec ⁻¹	1.0	0.8
Water Flow Rate	ASTM D4491	gpm / ft ²	70	60
		Lpm / m ²	2,850	2,444
CORE				
Material ²			PP	-
Tensile Strength	ASTM D4595	lbs	225	-
		N	1,001	-
COMPOSITE				
Tensile Strength	ASTM D4595	lbs	620	-
		N	2,758	-
Discharge Capacity	ASTM D4716 ⁴	gpm	1.6	-
		lpm	6	-
Available Roll Sizes	AWD Item Code	Dimensions	Roll Width x Roll Length	Weight (lbs)
	14070	in x ft	4 x 1,000	52
		mm x m	102 x 305	

¹ Minimum Average Roll Value (MARV) and Typical Value as defined in ASTM D4439.

² PP = Polypropylene; SBNW = Spunbonded Nonwoven

³ AOS MARV = Maximum Average Roll Value (MaxARV).

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