Hydraway vs. ADS, Multi-Flow, Enkaturf Drain, J-Drain, Akwa Drain

Product Comparison

Properties	Test Method	Hydraway 2000	Advan-Edge	Multi-Flow	Enkadrain	J Drain	AKWA Drain
Core Material		**HDPE**	HDPE	HDPE	HDPE	Polystyrene	Polystyrene
Compressive Strength	ASTM D-1621	**11,400 PSF**	3000 PSF	6000 PSF	1000 PSF	9500	9000
Percent of open space to allow for water "In-Flow"		**71%**	10.4%	3.9%**	Not published	54%	55%
Open sides for water intake for horizontal applications		**Yes - both sides open**	No - both sides are closed	one side open	N/A	yes	yes
Flow Rate	ASTM D4716	**21 GPM/ ft. width**	17 GPM/ ft. width	29 GPM/ ft. width	5.0 gal/min.ft	30	21
Size compared		**12x1"**	12x1" "	12x1" "	12x1" "	12x1"	12x1"

Geo-Textile Filter

Properties		Hydraway	Advan-Edge	Multi-Flow	Enkadrain	J Drain	AKWA Drain
Weight (oz/sq yd)		4.8oz.	3.4 oz	4.0 oz	3.54 oz	unknown	unknown
Grab Tensile Strength	ASTM D-4632	120 lbs.	120 lbs.	100 lbs.	125 lbs.	100 lbs.	145 llbs.
Grab Elongation	ASTM D-4632	50%	60%	50%	40%	unknown	60%
Puncture Strength	ASTM D-4833	65 lbs.	30 lbs.	50 lbs	35 lbs	65 lbs.	50 lbs.
Mullen Burst	ASTM D-3786	225 psi	90 psi	200 psi	160 psi	210 psi	150 psi
Trapezoidal Tear	ASTM D-4533	50 lbs.	40 lbs.	42 lbs	40 lbs	unknown	70 lbs
UV Resistance	ASTM D-4355	70%	70%	70%	unknown	70%	70%
Apparent Opening Size (AOS)	ASTM D-4751	70	60	70	45	70	80
Permittivity	ASTM D-4491 3	1.8 sec.	0.7sec	1.8sec	2.5 sec	unknown	1.0 sec
Permeability	ASTM D-4491 4	0.21 cm/sec	unknown	0.1 cm/sec	unknown	unknown	0.4 cm/sec
Water Flow Rate	ASTM D-4491	135	unknown	100	185	140	80
Bond to core method		Heat Fusion	not bonded	not bonded	Glue	Glue	Glue

All information is gathered directly from each manufactures published data sheets posted on the respective web sites

***Estimate based on measurement of an independent engineer.*