

Hydraway 2000 vs. ADS, Multi-Flow and Enkaturf Drain Systems

Product Comparison

Properties	Test Method	Hydraway 2000	Advan-Edge	Multi-Flow	Enkadrain
Core Material		HDPE	HDPE	HDPE	HDPE
Compressive Strength	ASTM D-1621	11,400	3,000 PSF	6,000 PSF	1,000 PSF
Percent of open space to allow for water "In-Flow"		71%	10.4%	3.9%**	Not published
Flow Rate	ASTM D-4716	21 GPM/ ft. width	17 GPM/ ft. width	29 GPM/ ft. width	5.0 gal/min.ft
Size compared		12x1" "	12x1" "	12x1" "	12x1" "

Geo-Textile Filter

Properties		Hydraway	ADS	Multi-Flow	Enkadrain
Weight (oz/sq yd)		4.8oz.	3.4 oz	4.0 oz	3.54 oz
Grab Tensile Strength	ASTM D-4632	120 lbs.	120 lbs.	100 lbs	125 lbs
Grab Elongation	ASTM D-4632	50%	60%	50%	40%
Puncture Strength	ASTM D-4833	65 lbs.	30 lbs.	50 lbs	35 lbs
Mullen Burst	ASTM D-3786	225 psi	90 psi	200 psi	160 psi
Trapezoidal Tear	ASTM D-4533	50 lbs.	40 lbs.	42 lbs	40 lbs
UV Resistance	ASTM D-4355	70%	70%	70%	unknown
Apparent Opening Size (AOS)	ASTM D-4751	70	60	70	45
Permittivity	ASTM D-4491 3	1.8 sec.	0.7sec	1.8sec	2.5 sec
Permeability	ASTM D-4491 4	0.21 cm/sec	unknown	0.1 cm/sec	unknown
Water Flow Rate	ASTM D-4491	135	unknown	100	185
Bonded to Core Method		Heat Fushion	Not Bonded	Not Bonded	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.*