

Hydraway vs. ADS, Multi-Flow, Enkaturf Drain

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 PSF | 3000 PSF | 6000 PSF | 1000 PSF |
| Percent of open space to allow for water "In-Flow" | | 71% | 10.4% | 3.9%** | Not published |
| Open sides for water intake for horizontal applications | | Yes - both sides open | No - both sides are closed | one side open | N/A |
| Flow Rate | ASTM D4716 | 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 | Advan-Edge | 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 |
| Bond to core method | | Heat Fusion | 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.*