

HYDRAWAY COMPARISON

| PRODUCT | TEST METHOD | HYDRAWAY 2000 | ADVAN-EDGE | MULTI-FLOW | ENKADRAIN | J DRAIN | AKWA DRAIN |
|-----------------------------|---------------|---------------|------------|------------|---------------|-------------|-------------|
| CORE MATERIAL | - | HDPE | HDPE | HDPE | HDPE | Polystyrene | Polystyrene |
| COMPRESSIVE STRENGTH (PSF) | ASTM D-1621 | 11,400 | 3,000 | 6,000 | 1,000 | 7,858*** | 6,000 |
| % OPEN SPACE | - | 85% | 10.4% | 3.9%** | Not published | 54% | 55% |
| OPEN ON BOTH SIDES? | - | Yes | No | No | N/A | Yes | Yes |
| FLOW RATE (GPM / FT) | ASTM D4716 | 21 | 17 | 29 | 5.0 | 30 | 21 |
| SIZE (IN) | - | 12 x 1 | 12 x 1 | 12 x 1 | 12 x 1 | 12 x 1 | 12 x 1 |
| GEO-TEXTILE FILTER | | | | | | | |
| WEIGHT (OZ/SQ YD) | - | 4.8 | 3.4 | 4.0 | 3.54 | Unknown | Unknown |
| GRAB TENSILE STRENGTH (LBS) | ASTM D-4632 | 120 | 120 | 100 | 125 | 100 | 145 |
| GRAB ELONGATION | ASTM D-4632 | 50% | 60% | 50% | 40% | Unknown | 60% |
| PUNCTURE STRENGTH (LBS) | ASTM D-4833 | 65 | 30 | 50 | 35 | 65 | 50 |
| MULLEN BURST (PSI) | ASTM D-3786 | 225 | 90 | 200 | 160 | 210 | 150 |
| TRAPEZOIDAL TEAR (LBS) | ASTM D-4533 | 50 | 40 | 42 | 40 | Unknown | 70 |
| 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 (SECOND) | ASTM D-4491 3 | 1.8 | 0.7 | 1.8 | 2.5 | Unknown | 1.0 |
| PERMEABILITY (CM / SEC) | ASTM D-4491 4 | 0.21 | Unknown | 0.1 | Unknown | Unknown | 0.4 |
| 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. *Based on actual 3rd party testing. Test result available upon request