

**VEarth VG 430MF** geotextile fabric is manufactured using high tenacity polypropylene multifilament yarns that are woven to form a dimensionally stable network, which allows the yarns to maintain their relative position.



FILTRATION

STABILIZATIO

EROSION CONTROL

## TECHNICAL DATA SHEET

| Properties                   |      | Unit                | Test Method | VG 430 MF |
|------------------------------|------|---------------------|-------------|-----------|
| Mass per unit area           |      | GSM                 | ASTM D5261  | 430       |
| Thickness                    |      | mm                  | ASTM D5199  | 1.2       |
| Tensile Strength             | Warp | KN/m                | ASTM D4595  | 100       |
|                              | Weft |                     |             | 100       |
| Elongation at break          | Warp | %                   | ASTM D4595  | 25        |
|                              | Weft |                     |             | 25        |
| Trapezoid Tear Strength      | Warp | N                   | ASTM D4533  | 3000      |
|                              | Weft |                     |             | 3000      |
| Grab Tensile Strength        | Warp | N                   | ASTM D4632  | 2500      |
|                              | Weft |                     |             | 2500      |
| Apparent opening Size (O90)  |      | μ                   | ASTM D4751  | 425       |
| CBR Puncture strength        |      | N                   | ASTM D6241  | 8000      |
| Index Puncture Resistance    |      | N                   | ASTM D4833  | 1000      |
| Water Permeability@50mm Head |      | l/m <sup>2</sup> /s | ASTM D4491  | 35        |
| UV Resistance (500 Hrs)      |      | %                   | ASTM D4355  | 80        |