# SITEDRAIN™ C-118
## PREFABRICATED CHIMNEY DRAIN

**PRODUCT OVERVIEW**

SITEDRAIN C-118 geocomposite chimney drain is composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN C-118 is an economical solution for double-sided subsurface drainage applications requiring moderate strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

### PROPERTY | TEST METHOD | UNIT OF MEASURE | Typical Value | MARV
--- | --- | --- | --- | ---
### GEOTEXTILE
<table>
<thead>
<tr>
<th>Material</th>
<th>AASHTO M288</th>
<th>Class</th>
<th>PP, NPNW</th>
<th>PP, NPNW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Survivability</td>
<td></td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Grab Tensile Strength</td>
<td>ASTM D4632</td>
<td>lbs</td>
<td>245</td>
<td>205</td>
</tr>
<tr>
<td></td>
<td></td>
<td>N</td>
<td>1,090</td>
<td>912</td>
</tr>
<tr>
<td>Grab Elongation</td>
<td>ASTM D4632</td>
<td>%</td>
<td>60</td>
<td>50</td>
</tr>
<tr>
<td>CBR Puncture</td>
<td>ASTM D6241</td>
<td>lbs</td>
<td>580</td>
<td>535</td>
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<tr>
<td></td>
<td></td>
<td>N</td>
<td>2,580</td>
<td>2,380</td>
</tr>
<tr>
<td>Trapezoidal Tear</td>
<td>ASTM D4533</td>
<td>lbs</td>
<td>100</td>
<td>80</td>
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<tr>
<td></td>
<td></td>
<td>N</td>
<td>445</td>
<td>356</td>
</tr>
<tr>
<td>UV Resistance</td>
<td>ASTM D4355</td>
<td>% / 500 Hrs</td>
<td>70</td>
<td>70</td>
</tr>
<tr>
<td>Apparent Opening Size (AOS)</td>
<td>ASTM D4751</td>
<td>sieve</td>
<td>80</td>
<td>80</td>
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<tr>
<td></td>
<td></td>
<td>mm</td>
<td>0.180</td>
<td>0.180</td>
</tr>
<tr>
<td>Permittivity</td>
<td>ASTM D4491</td>
<td>sec</td>
<td>1.8</td>
<td>1.4</td>
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<tr>
<td>Water Flow Rate</td>
<td>ASTM D4491</td>
<td>gpm / ft²</td>
<td>135</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lpm / m²</td>
<td>5,501</td>
<td>4,074</td>
</tr>
</tbody>
</table>
### CORE
| Compressive Strength | ASTM D6364 | psf | 11,000 | - |
| | ASTM D1621 | kPa | 527 | - |
| Thickness | ASTM D5199 | in | 0.4 | - |
| | | mm | 10 | - |
| In-Plane Flow Rate | ASTM D4716 | gpm/ft | 18 | - |
| | | Lpm/m | 224 | - |

1. Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.
2. PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven
3. Values for AOS represent Maximum Average Roll Value (MaxARV).
4. In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

All technical information contained in this document is accurate as of publication. AWD reserves the right to make changes to products and literature without notice. Please refer to our website for the most current technical information available.

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