TerraDrain® Strip 940

TerraDrain® Strip 940 prefabricated soil drains are constructed by fully wrapping a perforated, high strength, high flow capacity polystyrene core with a nonwoven filter fabric. The filter fabric is bonded to the core and prevents soil intrusion into the flow channels while allowing water to freely enter the drain core from all sides.

TerraDrain® Strip 940 products offer a cost effective, sustainable, performance driven alternative to costly perforated pipe and stone systems. TerraDrain® Strip 940 is available with filter fabrics meeting ASSHTO M 288-06 Class 1, 2 or 3 specifications.

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>TEST METHOD</th>
<th>ENGLISH</th>
<th>METRIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fabric</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Material 1</td>
<td>PP</td>
<td>PP</td>
<td></td>
</tr>
<tr>
<td>Water Flow Rate</td>
<td>ASTM D4491</td>
<td>150 gpm/ft²</td>
<td>6113 Lpm/m²</td>
</tr>
<tr>
<td>Grab Tensile Strength</td>
<td>ASTM D4632</td>
<td>130 lbs</td>
<td>0.578 kN</td>
</tr>
<tr>
<td>CBR Puncture Resistance</td>
<td>ASTM D6241</td>
<td>360 lbs</td>
<td>1.55 kN</td>
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<tr>
<td>Apparent Opening Size</td>
<td>ASTM D4571</td>
<td>70 US Std. Sieve</td>
<td>0.210 mm</td>
</tr>
<tr>
<td>Permittivity</td>
<td>ASTM D4491</td>
<td>2.1 sec⁻¹</td>
<td>2.1 sec⁻¹</td>
</tr>
<tr>
<td>Grab Elongation</td>
<td>ASTM D4632</td>
<td>70 %</td>
<td>70 %</td>
</tr>
<tr>
<td>UV Resistance</td>
<td>ASTM D4355</td>
<td>70 % @ 500 hrs</td>
<td>70 % @ 500 hrs</td>
</tr>
<tr>
<td>AASHTO M 288-06 ²</td>
<td>Survivability</td>
<td>Class 3</td>
<td>Class 3</td>
</tr>
<tr>
<td>Core</td>
<td></td>
<td></td>
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<tr>
<td>Material 1</td>
<td>PP</td>
<td>PP</td>
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</tr>
<tr>
<td>Thickness</td>
<td>ASTM D1777</td>
<td>1.0 in</td>
<td>25.4 mm</td>
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<tr>
<td>Compressive Strength</td>
<td>ASTM D1621</td>
<td>9000 lbs/ft²</td>
<td>431 kPa</td>
</tr>
<tr>
<td>Flow Rate ³</td>
<td>ASTM D4716</td>
<td>21 gpm/ft</td>
<td>261 Lpm/m</td>
</tr>
</tbody>
</table>

1 PP = Polypropylene; HIPS = High Impact Polystyrene
3 In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.