GSE FabriNet 3.8 mm Geocomposite

GSE FabriNet geocomposite consists of a 3.8 mm thick GSE HyperNet geonet heat-laminated on one or both sides with a nonwoven needle-punched geotextile. The geotextile is available in 200 g/m² and 270 g/m² mass per unit area. The geocomposite is designed and formulated to perform drainage function under a range of anticipated site loads, gradients and boundary conditions.

Product Specifications

<table>
<thead>
<tr>
<th>Tested Property</th>
<th>Test Method</th>
<th>Unit</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geocomposite</td>
<td></td>
<td></td>
<td>200 g/m²</td>
</tr>
<tr>
<td>Transmissivity</td>
<td>ASTM D4716</td>
<td>m²/s</td>
<td>5.35E-04</td>
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<tr>
<td>Ply Adhesion</td>
<td>ASTM D7005</td>
<td>kN/m</td>
<td>0.17</td>
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</tbody>
</table>

Geonet (*)

- Geonet Core Thickness (d): ASTM D5199 mm 3.8 3.8
- Density (d): ASTM D792 g/cm³ 0.94 0.94
- Tensile Strength (MD) (d): ASTM D7179 kN/m 3.8 3.8
- Carbon Black Content (d): ASTM D1603 % 2.0 2.0

Geotextiles (*)

- Mass Per Unit Area (d): ASTM D5261 g/m² 200 270
- Grab Tensile Strength (d): ASTM D4632 N 975 975
- Grab Elongation (d): ASTM D6241 % 60 60
- CBR Puncture Strength (d): ASTM D4533 kN 0.31 0.42
- Permittivity (d): ASTM D4491 sec⁻¹ 1.3 1.3
- Water Flow Rate (d): ASTM D4355 l/m²/s 65 65
- UV Resistance (d): ASTM D4355 % retained 70 70
- Apparent Open Size (e): ASTM D4751 mm 0.212 0.18

Roll Dimensions

<table>
<thead>
<tr>
<th>Roll Width</th>
<th>Double Sided</th>
<th>Single Sided</th>
<th>m</th>
<th>3.65</th>
<th>3.65</th>
<th>3.7</th>
<th>3.7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roll Length</td>
<td>Double Sided</td>
<td>Single Sided</td>
<td>m</td>
<td>50</td>
<td>50</td>
<td>50</td>
<td>50</td>
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<tr>
<td>Roll Area</td>
<td>Double Sided</td>
<td>Single Sided</td>
<td>m²</td>
<td>182.5 185</td>
<td>182.5</td>
<td>185</td>
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<tr>
<td>Truck Load</td>
<td>Double Sided</td>
<td>Single Sided</td>
<td>roll</td>
<td>36 39</td>
<td>36 39</td>
<td>36 36</td>
<td></td>
</tr>
<tr>
<td>Container Load</td>
<td>Double Sided</td>
<td>Single Sided</td>
<td>roll</td>
<td>36 39</td>
<td>36 39</td>
<td>36 36</td>
<td></td>
</tr>
</tbody>
</table>

Notes:

(*) Component properties prior to lamination
(a): Typical values;
(b): Machine direction;
(c): Transmissivity values determined at i=1.0 and 2.0mm HDPE linear boundary condition. Water @ 21±2°C;
(d): Minimum average value
(e): Maximum Average Value
(f): Roll Length/Roll width is custom-made (Geotextile width is 4.2m)

For more information on this product and others, please visit us at GSEworld.com, call 66.2.937.0091 or contact your local sales office.

GSE is a leading manufacturer and marketer of geosynthetic lining products and services. We’ve built a reputation of reliability through our dedication to providing consistency of product, price and protection to our global customers.

Our commitment to innovation, our focus on quality and our industry expertise allow us the flexibility to collaborate with our clients to develop a custom, purpose-fit solution.

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