ADS GEOSYNTHETICS 250W WOVEN GEOTEXTILE

Scope
This specification describes ADS Geosynthetics 250W woven geotextile.

Filter Fabric Requirements
ADS Geosynthetics 250W is manufactured using high tenacity polypropylene yarns that are woven to form a dimensionally stable network, which allows the yarns to maintain their relative position. ADS Geosynthetics 250W resists ultraviolet deterioration, rotting and biological degradation and is inert to commonly encountered soil chemicals. ADS Geosynthetics 250W conforms to the physical property values listed below:

Filter Fabric Properties

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>TEST METHOD</th>
<th>ENGLISH M.A.R.V. (Minimum Average Roll Value)</th>
<th>METRIC M.A.R.V. (Minimum Average Roll Value)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength (Grab)</td>
<td>ASTM D-4632</td>
<td>250 lbs</td>
<td>1110 N</td>
</tr>
<tr>
<td>Elongation</td>
<td></td>
<td>15%</td>
<td>15%</td>
</tr>
<tr>
<td>CBR Puncture</td>
<td>ASTM D-6241</td>
<td>750 lbs</td>
<td>3338 N</td>
</tr>
<tr>
<td>Puncture</td>
<td>ASTM D-4833</td>
<td>100 lbs</td>
<td>444 N</td>
</tr>
<tr>
<td>Mullen Burst</td>
<td>ASTM D-3786</td>
<td>450 psi</td>
<td>3101 kPa</td>
</tr>
<tr>
<td>Trapezoidal Tear</td>
<td>ASTM D-4533</td>
<td>90 lbs</td>
<td>400 N</td>
</tr>
<tr>
<td>UV Resistance (at 500 hrs)</td>
<td>ASTM D-4355</td>
<td>70%</td>
<td>70%</td>
</tr>
<tr>
<td>Apparent Opening Size (AOS)*</td>
<td>ASTM D-4751</td>
<td>40 US Std. Sieve</td>
<td>0.425 mm</td>
</tr>
<tr>
<td>Permittivity</td>
<td>ASTM D-4491</td>
<td>.05 sec⁻¹</td>
<td>.05 sec⁻¹</td>
</tr>
<tr>
<td>Water Flow Rate</td>
<td>ASTM D-4491</td>
<td>4 gpm/ft²</td>
<td>163 l/min/m²</td>
</tr>
<tr>
<td>Roll Sizes</td>
<td></td>
<td>12.5’ x 360’</td>
<td>3.81 m x 109.8 m</td>
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<tr>
<td></td>
<td></td>
<td>15.0’ x 300’</td>
<td>4.57 m x 91.5 m</td>
</tr>
<tr>
<td></td>
<td></td>
<td>17.5’ x 258’</td>
<td>5.33 m x 78.6 m</td>
</tr>
</tbody>
</table>

*Maximum average roll value.