Miragrid® 7XT

Miragrid® 7XT geogrid is composed of high molecular weight, high tenacity polyester multifilament yarns woven in tension and finished with a PVC coating. Miragrid® 7XT geogrid is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

Miragrid® 7XT geogrid is used as soil reinforcement in MSE structures such as; segmental retaining walls, precast modular block walls, wire faced walls, geosynthetic wrapped faced walls and steepened slopes. Miragrid® 7XT is also used in MSE stabilized platforms for voids bridging, embankments on soft soils, landfill veneer stability, reducing differential settlement and for foundation seismic stability.

TenCate Geosynthetics Americas is accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP).

<table>
<thead>
<tr>
<th>Mechanical Properties</th>
<th>Test Method</th>
<th>Unit</th>
<th>Machine Direction Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength @ Ultimate (MARV¹)</td>
<td>ASTM D6637 (Method B)</td>
<td>lbs/ft (kN/m)</td>
<td>5900 (86.1)</td>
</tr>
<tr>
<td>Tensile Strength @ 5% strain (MARV¹)</td>
<td>ASTM D6637 (Method B)</td>
<td>lbs/ft (kN/m)</td>
<td>2160 (31.5)</td>
</tr>
<tr>
<td>Creep Rupture Strength²</td>
<td>ASTM D5262/D6992</td>
<td>lbs/ft (kN/m)</td>
<td>4097 (59.7)</td>
</tr>
<tr>
<td>Long Term Design Strength³</td>
<td></td>
<td>lbs/ft (kN/m)</td>
<td>3547 (51.7)</td>
</tr>
</tbody>
</table>

¹ Minimum Average Roll Values (MARV) shown above are based on QC Testing per a defined lot not to exceed 12 months. Testing Frequency follows ASTM D4354, Table 1.

² 75-year design life based on NTPEP Report REGEO-2016-01-065.

³ Long Term Design Strength for sand, silt, clay. RF_{CR} = 1.44; RF_{D} = 1.05; RF_{D} = 1.1

(Installation damage reduction factor for other soils available upon request.)

<table>
<thead>
<tr>
<th>Physical Properties</th>
<th>Unit</th>
<th>Roll Characteristic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mass/Unit Area (ASTM D5261)</td>
<td>oz/yd² (g/m²)</td>
<td>9.4 (346)</td>
</tr>
</tbody>
</table>
| Roll Dimensions⁴ (width x length) | ft (m) | 6 x 300 (1.8 x 91)  
| | | 12 x 200 (3.6 x 61)  
| | | 12 x 1000 (3.6 x 305)  
| Roll Area | yd² (m²) | 200 (168)  
| | | 267 (220)  
| | | 1333 (1114)  
| Estimated Roll Weight | lbs (kg) | 130 (58)  
| | | 179 (81)  
| | | 846 (383)  

⁴ Special order roll lengths are available upon request.

Miragrid® 7XT and Tensile Strength direction are continuously printed in white on the edge of the roll.

Disclaimer: TenCate assumes no liability for the accuracy or completeness of this information or for the ultimate use by the purchaser. TenCate disclaims any and all express, implied, or statutory standards, warranties or guarantees, including without limitation any implied warranty as to merchantability or fitness for a particular purpose or arising from a course of dealing or usage of trade as to any equipment, materials, or information furnished herewith. This document should not be construed as engineering advice.

Miragrid® is a registered trademark of Nicolon Corporation.

Copyright © 2020 Nicolon Corporation. All Rights Reserved.