

## Miragrid® 22XT

Miragrid® 22XT geogrid is composed of high molecular weight, high tenacity polyester multifilament yarns woven in tension and finished with a PVC coating. Miragrid® 22XT geogrid is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

Miragrid 22XT 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 22XT 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](#)).

| MECHANICAL PROPERTIES                         | TEST METHOD           | UNIT                                   | MINIMUM AVERAGE ROLL VALUE |
|---|-----------------------|--|----------------------------|
|   |                       |  | MD                         |
| Tensile Strength @ Ultimate                   | ASTM D6637 (Method B) | lbs/ft (kN/m)                          | 21000 (306)                |
| Tensile Strength @ 5% strain                  | ASTM D6637 (Method B) | lbs/ft (kN/m)                          | 6700 (97.8)                |
| Mass/Unit Area <sup>1</sup>                   | (ASTM D5261)          | oz/yd <sup>2</sup> (g/m <sup>2</sup> ) | 28.2 (956)                 |
|   |                       |  | <b>MINIMUM ROLL VALUE</b>  |
| Creep Rupture Strength <sup>2</sup>           | ASTM D5262/D6992      | lbs/ft (kN/m)                          | 14277 (208.3)              |
| Long Term Design Strength <sup>3</sup>        |                       | lbs/ft (kN/m)                          | 12361 (180.4)              |
| PHYSICAL PROPERTIES                           |                       | UNIT                                   | ROLL CHARACTERISTIC        |
| Roll Dimensions <sup>4</sup> (width x length) |                       | ft (m)                                 | 12 x 200 (3.6 x 61)        |
| Roll Area                                     |                       | yd <sup>2</sup> (m <sup>2</sup> )      | 267 (220)                  |
| Estimated Roll Weight                         |                       | lbs (kg)                               | 470 (213)                  |
| Label Roll Color                              |                       |  | WHITE                      |

<sup>1</sup> Typical Value

<sup>2</sup> 75-year design life based on NTPEP Report [REGEO-2016-01-069](#).

<sup>3</sup> Long Term Design Strength for sand, silt, clay.  $RF_{CR} = 1.44$ ;  $RF_{ID} = 1.05$ ;  $RF_D = 1.1$  (Installation damage reduction factor for other soils available upon request).

<sup>4</sup> Special order roll lengths are available upon request

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