

# STRATA Microgrid™ Product Data

Minimum Average Roll Values

**STRATA Microgrid** is a finely-knitted polyester, saturation-coated reinforcement geogrid with an open structure providing excellent interlock with soils while maintaining high permeability. Microgrid is precision knitted with diagonal “stabilizer” tie yarns and impregnated with a polymeric coating, resulting in a stable finished product that is easy to handle and install. Microgrid is truly a biaxial geogrid, with equal tensile strengths in both the machine direction (MD) and cross-machine direction (CMD).

STRATA Microgrid may be used for primary or secondary reinforcement in segmental retaining walls, as primary or intermediate reinforcement in reinforced slopes, and as facing wrap for wrapped-faced steep slopes with permanent vegetation. STRATA recommends that all reinforced soil structures be designed by a competent, licensed professional engineer familiar with the local site conditions and STRATA products.

<u>Property</u>	<u>Test Method</u>	<u>Units</u>	<u>Value</u>
<b><u>Geometry</u></b> <sup>(1)</sup>			
Aperture Size	Measured	in. (mm)	0.10 (2.54) base by 0.25 (6.35) height
Open Area	Measured	%	50%
Thickness	ASTM D1777	in. (mm)	0.025 (0.635)
<b><u>Strength</u></b>			
Ultimate Tensile <sup>(2)</sup> -MD & CMD	ASTM D4595	lbs/ft. (kN/m)	2000 (29.2)
Creep Strength <sup>(3)</sup> -MD & CMD	ASTM D5262 and D6992	lbs/ft. (kN/m)	1266 (18.5)
<b><u>Identification</u></b> <sup>(1)</sup>			
Roll Size	Width x Length	ft. (m)	8 x 225 (2.44 x 68.6)
	Area	sq. yds. (sq.m.)	200 (167.2)
	Weight	lbs. (kg)	85 (38.6)

<sup>(1)</sup> Reported measurements for product geometry and identification are nominal values.

<sup>(2)</sup> Reported tensile strength is the minimum average roll value (MARV). Minimum average roll value is the average value minus two times the standard deviation.

<sup>(3)</sup> Creep rupture strength is based on 100-year design life as determined in accordance with ASTM D5262 and D6992.



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Specification is subject to change without notice. The sizing, use and selection of the products should be completed by a licensed design professional.

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