



# Mirafi

## Miramesh<sup>®</sup> SG

TENCATE GEOSYNTHETICS  
Americas



Miramesh<sup>®</sup> SG is composed of green high-tenacity monofilament polypropylene yarns that are woven together to produce an open mesh geotextile. The open mesh geotextile is tufted with an 18" (500 mm) strip of green synthetic grass fibers to increase UV stability and provide a finished face surface. Miramesh<sup>®</sup> SG is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

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

Mechanical Properties <sup>1</sup>	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Tensile Strength (at ultimate)	ASTM D4595	lbs/ft (kN/m)	1440 (21.0)	1733 (25.3)
			Minimum Value	
Creep Reduced Strength	ASTM D5262	lbs/ft (kN/m)	471 (6.9)	566 (8.3)
Long Term Allowable Design Load <sup>2</sup>	GRI GT-7	lbs/ft (kN/m)	407 (5.9)	490 (7.2)
			Minimum Test Value	
UV Resistance (at 2500 hours) <sup>3</sup>	ASTM D4355	% strength retained	90	
Long Term resistance to UV, moisture, and heat effects (at 18000 hours) <sup>3</sup>	ASTM D7238 at 70°C	% strength retained	60	
Design Life	See Note <sup>4</sup>	Years	100	

<sup>1</sup> Miramesh physical properties do not apply to tufted area.

<sup>2</sup> Long Term Allowable Design values are for sand, silt and clay. Creep Reduction Factor based on 75-year design life.

<sup>3</sup> UV Resistance is for tufted area only.

<sup>4</sup> Extrapolated from the average half-life based on ASTM D7238 (QUV). Data also found on Mirafi<sup>®</sup> UV Durability Technical Note.

<sup>5</sup> Aperture Size only applies to untufted area.

<sup>6</sup> Weight is for composite of tufted and untufted area.

Physical Properties	Unit	Roll Characteristic
Aperture Size <sup>5</sup> (machine direction)	in (mm)	0.08 (2)
Aperture Size <sup>5</sup> (cross machine direction)	in (mm)	0.08 (2)
Color	--	Green
Tufted Strip Dimension	in (mm)	18 (500)
Roll Dimensions (width x length)	ft (m)	8 (2.4) x 50 (15.2)

**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.

Mirafi<sup>®</sup> is a registered trademark of Nicolon Corporation.

Copyright © 2015 Nicolon Corporation. All Rights Reserved.

365 South Holland Drive  
Pendergrass, GA 30567  
FGS000607  
ETQR4

Tel 706 693 2226  
Tel 888 795 0808

Fax 706 693 4400  
[www.tencate.com](http://www.tencate.com)



GAI-LAP-25-97