



Miramesh® GR

Miramesh® GR is composed of green high-tenacity monofilament polypropylene yarns that are woven together to produce an open mesh geotextile. Miramesh® GR is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids. Miramesh Facing Geogrids are used as secondary reinforcement for surficial stability to promote vegetation growth in MSE structures such as; geosynthetic wrapped faced walls, wire faced walls and steepened slopes. Miramesh is also used as a separation screen layer under permeable pavers and stream channel blocks. Minimum Average Roll Values (MARV) shown below are based on QC Testing per a defined lot not to exceed 12 months. Testing Frequency follows ASTM D4354, Table 1. (move to table)

MECHANICAL PROPERTIES	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 ¹	GRI GT-7	lbs/ft (kN/m)	407 (5.9)	490 (7.2)
			TYPICAL VALUE	
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	100	
UV Resistance (at 2000 hours)	ASTM D4355	% strength retained	97	
UV Resistance (at 5000 hours)	ASTM D4355	% strength retained	90	
Mass/Unit Area	ASTM D5261	oz/yd ² (g/m ²)	5.8 (196.6)	
			MINIMUM TEST VALUE	
Design Life	See Note ²	Years	75	

PHYSICAL PROPERTIES	UNIT	TYPICAL ROLL SIZE	
		MD	CD
Aperture Size	in (mm)	0.08 (2)	0.08 (2)
Roll Dimensions (width x length)	ft (m)	8 x 150 (2.4 x 45.7)	
Roll Area	Yd ² (m ²)	133 (110)	
Estimated Roll Weight	lbs (kg)	51 (23)	
Color		Green	
Label Roll Color			

¹ Long Term Allowable Design values are for sand, silt and clay. Creep Reduction Factor based on 75-year design life.

² Extrapolated from the average half-life based on ASTM D7238 (QUV). Data also found in the Mirafi® UV Durability Technical Note.

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