

### MACTEX<sup>®</sup> W1 90S WOVEN (STABILIZATION) GEOTEXTILE

Maccaferri MacTex<sup>®</sup> W1 90S is a woven polypropylene geotextile containing heavy woven flat tape yarns and will meet the following Minimum Average Roll Values (MARV) when tested in accordance with the methods listed below. The geotextile is resistant to ultraviolet degradation and to biological and chemical environments normally found in soils.

MacTex<sup>®</sup> W1 90S conforms to the property values listed below<sup>1</sup> and is subject to internal 'Manufacturing Quality Control' (MQC) tests that have been accredited by the 'Geosynthetic Accreditation Institute—Laboratory Accreditation Program' (GAI-LAP). MacTex<sup>®</sup> W1 90S meets the requirements set forth by AASHTO M288 (Geotextile Specification For Highway Application)

PROPERTY <sup>4</sup>	TEST PROCEDURE	UNITS	MINIMUM AVERAGE ROLL VALUES (MARV) <sup>2</sup>
<b>Mechanical</b>			
Grab Tensile	ASTM D 4632	lb (kN)	200 (0.890)
Grab Elongation	ASTM D 4632	%	15
Trapezoidal Tear	ASTM D 4533	lb (kN)	75 (0.334)
Puncture (CBR)	ASTM D 6241	lb (kN)	700 (3.115)
<b>Endurance</b>			
UV Resistance	ASTM D 4355	% Retained @ 500 hrs.	70
<b>Hydraulic</b>			
Permittivity	ASTM D 4491	sec <sup>-1</sup>	0.05
Flow Rate	ASTM D 4491	gpm/ft <sup>2</sup> (lpm/m <sup>2</sup> )	4 (163)
Apparent Opening Size (AOS) <sup>3</sup>	ASTM D 4751	US Sieve (mm)	40 (0.425)
<b>Packaging (Typical)</b>			
Roll Width	Measured	ft (m)	12.5 (3.81) / 15 (4.57) / 17.5 (5.33)
Roll Length	Measured	ft (m)	432 (131.67) / 360 (109.73) / 309 (94.18)
Roll Area	Measured	yd <sup>2</sup> (m <sup>2</sup> )	600 (501)
Roll Weight	Calculated	lb (kg)	180 (82) / 182 (83) / 185 (84)

**Notes:**

- The property values listed above are effective 9/2012 and are subject to change without notice
- Values shown are in weaker principal direction. 'Minimum Average Roll Values' (MARV) are calculated as the typical minus two (2) standard deviations. Statistically, it yields a 97.7% degree of confidence that any sample taken from quality assurance testing will exceed the value reported.
- AOS (ASTM D 4751) is a 'Maximum Opening Diameter Value'
- Mullen Burst ASTM D 3786 and Puncture ASTM D 4833 have been removed. Neither test method is recognized by AASHTO M288. CBR Puncture ASTM D 6241 has replaced D4833, under AASHTO M288. Mullen Burst is not recognized by ASTM D35 committee on Geosynthetics.

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