MACCAFERRI
GEOSYNTHETICS

TECHNICAL DATA SHEET
Rev: 01, Issue Date 10.10.2012

MACTEX® WF 70S
WOVEN (MEDIUM STRENGTH — HIGH FLOW) GEOTEXTILE

Maccaferri MacTex® WF 70S is a woven polypropylene geotextile containing heavy woven tape/fibrillated yarns and will meet the following 'Minimum Average Roll Values' (MARV) when tested in accordance with the methods listed below. These characteristics make MacTex® WF 70S ideal for the construction of embankments over soft soils, steepened slopes, and wrapped-faced retaining walls. The geotextile is resistant to ultraviolet degradation and to biological and chemical environments normally found in soils.

MacTex® WF 70S conforms to the property values listed below[1] and is subject to internal "Manufacturing Quality Control' (MQC) tests that have been accredited by the 'Geosynthetic Accreditation Institute – Laboratory Accreditation Program' (GAI-LAP).

PROPERTY[4]	TEST PROCEDURE	UNITS	MINIMUM AVERAGE ROLL VALUES (MARV)[2]
Mechanical			
Grab Tensile (MD/CMD)	ASTM D 4632	lb (kN)	475 x 400 (2.113 x 1.957)
Wide Width Tensile (MD/CMD)	ASTM D 4595	lb/in (kN/m)	400 x 400 (70 x 70)
Wide Width Tensile Elongation (MD/CMD)	ASTM D 4595	%	9 x 9
Trapezoidal Tear (MD/CMD)	ASTM D 4533	lb (kN)	180 x 180 (0.801 x 0.801)
CBR Puncture	ASTM D 6241	lb (kN)	2000 (8.896)
Endurance			
UV Resistance	ASTM D 4355	% Retained @ 500 hrs.	80
Hydraulic			
Permittivity	ASTM D 4491	sec^{-1}	0.40
Flow Rate	ASTM D 4491	gpm/ft^2 (lpm/m^2)	30 (1222)
Apparent Opening Size (AOS)[3]	ASTM D 4751	US Sieve (mm)	30 (0.600)
Packaging			
Roll Width	Measured	ft (m)	15 (4.6)
Roll Length	Measured	ft (m)	300 (91.4)
Roll Area	Measured	yd^2 (m^2)	500 (418)
Roll Weight	Calculated	lb (kg)	454 (206)

Notes:

1. The property values listed above are effective 9/2012 and are subject to change without notice
2. 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.
3. AOS (ASTM D 4751) is a 'Maximum Opening Diameter Value'
4. 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 D 4833, under AASHTO M288. Mullen Burst is not recognized by ASTM D35 committee on Geosynthetics.

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