

MACTUBE™ GEOSYNTHETIC TUBULAR CONTAINMENT SYSTEMS

Product Description

MacTubes™ are composed of high-tenacity polymer yarns, which are woven into a rip-stop stable network such that the yarns retain their relative position. MacTubes™ are inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

Mechanical Properties	Test Method	Unit	MT7-7	MT7-9	MT7-10	MT8-15	MT18-18	MT18-18 PES
Polymer Type			PP	PP	PP	PP	PP	PES
Tensile Strength @ ultimate Machine Direction	ASTM D4595	kN/m	70	70	70	83	175	175
Tensile Elongation Machine Direction	ASTM D4595	%	20 (Max)	20 (Max)	20 (Max)	20 (Max)	20 (Max)	11
Tensile Strength @ ultimate Cross Direction	ASTM D4595	kN/m	70	70	96	153	175	175
Tensile Elongation Cross Direction	ASTM D4595	%	20 (Max)	20 (Max)	20 (Max)	20 (Max)	20 (Max)	11
Factory Seam Strength	ASTM D4884	kN/m	44	61	70	83	87.5	87.5
Apparent Opening Size (AOS)	ASTM D4751	mm	0.425	0.300	0.300	0.212	0.300	0.210
Water Flow Rate	ASTM D4491	l/m/m ²	2400	1400	1090	813	813	975
Mass/Unit Area	ASTM D5261	g/m ²	440	690	540	677	914	600
UV Resistance (% strength retained @ 500 hours)	ASTM D4355	%	95	95	95	95	95	70

All values are Minimum Average Roll Values (MARV) represent a 97.5% confidence level, calculated as the mean minus two standard deviations. Fifty percent of test values will exceed the typical value listed above. ; PP = Polypropylene; PES = Polyester



MacTube during use



Detail of MacTube fabric

Maccaferri reserves the right to alter specifications of its products without notice. Please contact us for the most up to date specifications.

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