

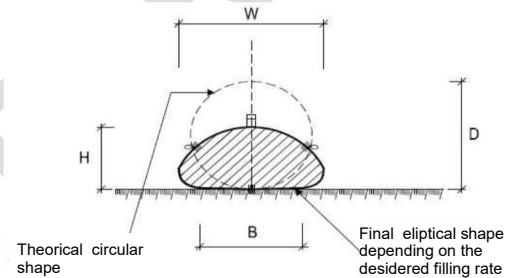
MACTUBES

Mechanical and Hydraulic properties of the fabrics		05S.60	75S.55	80110.25	09S.25	10S.20	12S.19	17S.16	20S.19	25S.16
		Tensile strength - Tch (MD)	EN ISO 10319 ASTM D4595	50	75	80	90	105	120	175
Strain at Tch (MD)	EN ISO 10319 ASTM D4595	15	13	13	13	13	13	13	13	13
Tensile strength - Tch (CMD)	EN ISO 10319 ASTM D4595	50	75	110	90	105	120	175	200	250
Strain at Tch (CMD)	EN ISO 10319 ASTM D4595	10	10	10	10	10	10	10	10	10
Factory seams strength	ASTM D4884 ISO 10321	40	53	55/73	70	70	85	140	160	190
Static Puncture Resistance - CBR	EN ISO 12236 ASTM D6241	5.5	6.0	10.0	10.0	12.0	14.0	22.0	25.0	26.0
Flowrate	ASTM D4991	3600	3400	2100	1500	1200	1100	960	1200	960
Opening Pore Size O ₉₅	ASTM D4751	≤ 400	≤ 450	≤ 450	≤ 400	≤ 430	≤ 410	≤ 400	≤ 400	≤ 400
Physical properties of the geotextile tubes										
Warp and Weft Polymers		Polypropylene								
Color		Black (Sand available on demand)								
Geotextile tube circumference		4.3 - 8.6 - 10.8 - 17.2 - 20.0 - 21.6 - 25.9 - 28.2 - 30.20								
Geotextile tube length		15 - 20 - 25 - 30 - 35 - 40								
Durability: UV retained strength	ASTM D4535	90								

MACTUBES are geotextiles tubes manufactured assembling - typically by radial stitches - woven polypropylene fabrics obtained by weaving exclusively mono or fibrillated filament yarns in order to achieve not only high tensile strengths but also high flow permeabilities. MACTUBES are suitable either for marine and dewatering applications.



For additional info about the geotextile tubes geometry (max filling height, estimated max working height H, max width W and volumes), the filling port spacing and any additional technical info please contact the closest Maccaferri office.



For a quick design check or selection of the appropriate requested geotextile tube please visit our website at <https://edesign.maccaferri.com/Gestione>

NOTE

1. Minimum average value at 95% confidence limit;
2. Typical value; a tolerance of 2% on the declared values is admitted;
3. Mean value;
4. On demand - for some of the proposed tensile strengths grades - the fabric polymer can be polyester (please check with the closest Maccaferri office the available options);
5. Black is the standard color however other colors are available; sand is the most used in marine applications. For large projects the color of the yarns used in the warp and weft direction can be different and tailored according to the job requirements;
6. The geotextile tubes can be produced also in different diameters and circumferences according to the client requirements (please check with the closest Maccaferri office the available options);
7. Shorter geotextiles tubes can be manufactured on demand please check with the closest Maccaferri office the available options).

For the optimisation and improvement process of the technical characteristics of the products, the manufacturer reserves the right to modify the standard characteristics of the product without any notice. The information contained herein are to the best of our knowledge accurate, but since the circumstances and conditions in which it may be used are beyond our control, we do not accept any liability for any loss or damage, however arising, which results directly or indirectly from the use of such information nor we do offer any warranty or immunity against patent infringement.