



T-Drain

Functions: Drainage

STRUCTURE: TeMa-NET is a 2-dimensional orthogonal geonet made from extruded High-Density Polyethylene (HDPE) strands creating a drainage layer for gas and liquid flows within composite drainage systems, such as fin-drains and wick-drains.

PHYSICAL PROPERTIES

Raw Material				HDPE	
Colour				Black	
Mass	Nominal	g/m ²	500	SANS 9864:2013	
Thickness	Under 2kPa	mm	5.0	SANS 9863:2013	
Aperture Size	Nominal	mm	10 x 9		
Mesh Angle	(±5°)	deg	55		
Service Temperature	Maximum	°C	75		
Tensile Strength (Ultimate)	MD	kN/m	6.4	SANS 1525:2013	
	Elongation	%	29.2		

HYDRAULIC PERFORMANCE

In plane water flow capacity	MD/CMD		MD	CMD		
i = 1.0	Load:	20 kPa	l/s/m	1.76	0.61	EN ISO 12958
		50 kPa	l/s/m	1.65	0.56	
		100 kPa	l/s/m	1.56	0.52	
		200 kPa	l/s/m	1.38	0.48	
		300 kPa	l/s/m	0.73	0.21	

STANDARD DIMENSIONS

Roll Width	Max.	m	2
Roll Length	Max.	m	25



The information given in this datasheet is to the best of our knowledge true and correct. TeMa SA reserves the right to change its product specifications at any time. It is the responsibility of the specifier and purchaser to ensure that product specifications used for the design and procurement purposes are current and consistent with the products used in each instance.

Tema South Africa (Pty) Ltd

Unit 2 Meadowview Office Park, 79 Watt Street, Meadowdale 1609, Gauteng, South Africa

T: +27 (0)72 873 0101

F: +27 (0)86 511 7062

E: temaSA@temacorporation.com

W: www.temaSA.co.za