



MD 4 50

Year of last update: **2024**



Function: **S+F+D**

STRUCTURE: polyolefinic studded membrane

PROPERTIES OF MEMBRANE

				<i>tol</i>
Raw material		POLYOLEFIN MIX		
Density		>0,94		
Number of dimple per unit area		n/m ²	>23000	
Colour		black		
Type		single cuspated (dimpled)		
Thickness at 2 kPa	EN ISO 9863-1	mm	5	±20%
Carbon black content	ASTM D 1603	%	0,8 - 2,5	
CBR resistance	EN ISO 12236	N	300	±10%
Compression resistance (*)	ASTM D 1621	kN/m ²	1000	±10%
Tensile strength MD/CMD	EN ISO 10319	kN/m	3,2/1,6	+/-20%
Strain at break MD/CMD	EN ISO 10319	%	60/40	+/-30%

(*) : related to peak resistance

HYDRAULIC PERFORMANCES

				<i>tol</i>	
In plane water flow capacity MD		EN ISO 12958	l/(m·s)	±30%	
		<i>Hydraulic gradient</i>	<i>Contact</i>	<i>i = 0,1</i>	<i>i = 1</i>
	Load: 20 kPa	R/R		0,60	2,10
	" 100 kPa	R/R		0,58	2,05
	" 200 kPa	R/R		0,56	2,00
	" 500 kPa	R/R		0,54	1,70

STANDARD DIMENSIONS

				<i>tol</i>
Width		m	2,35- 4,7	±3%
Length		m	55	±2%

* lenght and palletization will be defined during production in order to optimize loadability



The information given in this data sheet is to the best of our knowledge true and correct. TeMa srl 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 design and procurement purposes are current and consistent with the products used in each instance.

TeMa Technologies and Materials srl

Via dell'Industria 21 - 31029 Vittorio V.to (TV) Tel. +39.0438.50.31 - Fax +39.0438.50.34.60 - e-mail: info@temacorporation.com - www.temacorporation.com

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