



A.K.K. HARDWARE SDN BHD
PLO380, JALAN PERAK SATU, KAWASAN PERINDUSTRIAN PASIR GUDANG,
81700 PASIR GUDANG, JOHOR
TEL: 016-7711368 & 010-6611285
EMAIL: akkhw380@gmail.com
WEBSITE: <https://akkhardware.com/>

MACCAFERRI
A S I A

TECHNICAL DATA SHEET
Rev. 05 Date 01/04/2011

MacTex™ PP

Polypropylene Needle Punched Nonwoven Geotextile

Product Description

Maccaferri MacTex™ geotextiles are mechanically bonded nonwovens from 100% ultra violet stabilized Polypropylene. They are characterized by a high resistance to installation damage, high water permeability, resistance to ultraviolet degradation and to biological & chemical environments normally found in soils.

Property	Test Std	Unit	MXC 10	MXC 20	MXC 30	MXC 40	MXC 50	MXC 60	MXC 70	MXC 80	MXC 90	MXC 100	MXC 110
Tensile strength	ISO 10319	kN/m	7.3	9.3	11	14	15	17	22	24	33	39	41
Tensile elongation	ISO 10319	%	40	40	40	40	50	50	50	50	50	50	50
CBR puncture	ISO 12236	N	1150	1500	1700	2200	2350	2800	3500	4000	5350	6150	7150
Vertical water flow 50mm head	ISO 11053	mm/s	125	110	105	80	75	70	58	48	40	35	30
Nominal mass	ISO 9864	g/m ²	110	130	150	190	210	240	300	350	500	600	700
Thickness 2kPa	ISO 9863	mm	1.0	1.2	1.4	1.7	1.9	2.1	2.6	2.9	3.9	4.3	5.2
Grab strength	ASTM D 4632	N	460	550	650	810	900	1000	1250	1430	2150	2800	3100
AOS	ASTM D 4751	mm	0.31	0.27	0.26	0.23	0.21	0.20	0.19	0.18	<0.075	<0.075	<0.075
Permittivity	ASTM D 4491	s-1	3.5	2.9	2.6	2.1	2.0	1.8	1.7	1.7	0.95	0.85	0.7
Form of Supply													
Width		m	4	4	4	4	4	4	4	4	4	4	4
Length		m	250	250	225	200	175	125	125	100	65	55	45
Area		m ²	1000	1000	900	800	700	500	500	400	260	220	180