

technical data sheet

mdm® AQ 180

Characteristic	Test method	Unit	Value	Tolerance	
				Min.	Max.
Length	EN 1848-2	m	50	-0	+0,5
Width	EN 1848-2	m	1,50	-0,5%	+1,5%
Straightness	EN 1848-2	-	Pass	-	-
Mass per unit area	EN 1849-2	g/m ²	180	170	185
Reaction to fire	EN 11925-2	-	E-d2	-	-
Resistance to water penetration	EN 1928 Method A	-	W1	-	-
Water vapour transmission properties	EN ISO 12572 set C	m	0,020	-0,005	+0,020
Resistance to penetration of air	EN 12114	m ³ /(m ² x h x 50 Pa)	0,022	0,020	0,024
Tensile properties: maximum tensile force	EN 12311-1	N/50 mm	MD 420	-15%	+15%
			CD 250	-15%	+15%
Tensile properties: elongation	EN 12311-1	%	MD 50	-15%	+15%
			CD 60	-15%	+15%
Resistance to tearing (nail shank)	EN 12310-1	N	MD 200	-15%	+15%
			CD 200	-15%	+15%
Dimensional stability	EN 1107-2	%	1	-	-
Stability at low temperature	EN 1109	°C	-40	-	-
Artificial ageing by long term exposure to the combination of UV radiation and elevated temperature and heat (80°C)	Elongation EN 13859-1 Annex C	%	MD 35	-15%	+15%
			CD 45	-15%	+15%
	Tensile strength EN 13859-1 Annex C	N/50 mm	MD 370	-15%	+15%
			CD 215	-15%	+15%
Resistance to water penetration EN 13859-1 Annex C	-	-	W1	-	-
Water vapour transmission properties (23°C/85%RH)	Lyssy	g/m ² x 24h	1200	- 15%	-15%
Water vapour transmission properties (38°C/85%RH)	Lyssy	g/m ² x 24h	2900	- 15%	-15%

Above parameters are relative to current production and may be changed and updated by mdm s.a.

Cieszyn, 03.08.2009
(place and date of edition)


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(name and signature of authorized person)