



135

Valid from 01.01.2011

CE
11

PROPERTIES	METHOD	UNITS	NOMINAL VALUE	TOLERANCE	
				MINIMUM	MAXIMUM

Informative section:

Length	EN 1848-2	[m]	>50	-	-
Width	EN 1848-2	[m]	1; 1,5; 3	-0,5%	+1,5%
Straightness	EN 1848-2	-	conforming	-	-
Mass per unit area	EN 1849-2	[g/m ²]	140	-10	+10
Visible defects	EN 1850-2	-	without visible defects		

Normative part:

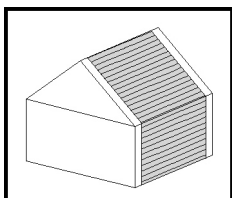
Reaction to fire	EN 13501 EN 11925-2	[class]	E	-	-
Resistance to water penetration	EN 1928 EN 13111	[class]	W1	-	-
Resistance to water penetration after artificial ageing	EN 13859-1;2 Annex C	[class]	W1	-	-
Water vapour transmission properties (Sd)	EN 12572 EN 1931	[m]	0,02	-0,01	+0,015
Tensile properties: Maximum tensile force MD / CMD	EN 12311-1 EN 13859-1;2	[N/50mm]	290 / 205	-30 / -30	+50 / +45
Max tensile force after artificial ageing MD / CMD	EN 13859-1;2 Annex C	[N/50mm]	260 / 180	-40 / -35	+60 / +55
Tensile properties: Elongation MD / CMD	EN 12311-1 EN 13859-1;2	[%]	45 / 80	-15 / -25	+35 / +40
Elongation after artificial ageing MD / CMD	EN 13859-1;2 Annex C	[%]	35 / 65	-15 / -30	+40 / +40
Resistance to tearing MD / CMD	EN 12310-1 EN 13859-1;2	[N]	150 / 180	-40 / -50	+70 / +70
Dimensional stability	EN 1107-2	[%]	<2	-	-
Flexibility at low temperature	EN 1109 EN 495-5	[°C]	-40	-	-
Resistance to penetration of air	EN 12114 EN 13859-1;2	[m ³ /m ² .h.50Pa]	<0,02	-	-
Temperature Resistance	-	[°C]	-40 / +80	-	-
Hydrostatic pressure test	EN 20811	[cm]	>280	-	-

Notes: MD - Machine Direction, CMD - Cross Machine Direction, npd - no performance determined

Supplementary part:

Joint strength	EN 12317-2	[N/50mm]	npd	-	-
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PRODUCT APPLICATION



EN 13859-1; 2

Breather waterproof roofing underlay manufactured by thermally bonding outer spunbonded polypropylene layers and inner layer of microporous polypropylene film for pitched supported or unsupported roof construction without sarking and can be used also for vertical wall construction as wind barrier. It can be applied in direct contact with thermal insulation with recommended overlap.

This product does not contain any dangerous substances.