

JUTADACH[®] 190 AI

valid from 01.01.2013

Revision 02.07.2020

PROPERTIES	METHOD	UNITS	NOMINAL VALUE	TOLERANCE	
				MINIMUM	MAXIMUM

Informative section:

Length	EN 1848-2	[m]	>50	-	-
Width	EN 1848-2	[m]	1,5	-0,5%	+1,5%
Straightness	EN 1848-2	-	conforming	-	-
Mass per unit area	EN 1849-2	[g/m ²]	200	-20	+20
Visible defects	EN 1850-2	-	without visible defects		

Normative part:

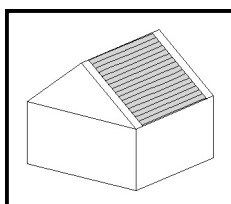
Reaction to fire	EN 13501 EN 11925-2	[class]	E	-	-
Resistance to water penetration	EN 1928	[class]	W1	-	-
Resistance to water penetration after artificial ageing	EN 13859-1 Annex C	[class]	W1	-	-
Water vapour transmission properties (Sd)	EN 12572	[m]	0,045	-0,015	+0,015
Tensile properties: Maximum tensile force MD / CMD	EN 12311-1 EN 13859-1	[N/50mm]	350 / 225	-70 / -25	+70 / +50
Max tensile force after artificial ageing MD / CMD	EN 13859-1 Annex C	[N/50mm]	330 / 175	-70 / -25	+70 / +55
Tensile properties: Elongation MD / CMD	EN 12311-1 EN 13859-1	[%]	30 / 70	-15 / -30	+20 / +30
Elongation after artificial ageing MD / CMD	EN 13859-1 Annex C	[%]	25 / 50	-15 / -20	+20 / +30
Resistance to tearing MD / CMD	EN 12310-1 EN 13859-1	[N]	200 / 200	-40 / -50	+70 / +60
Dimensional stability	EN 1107-2	[%]	<2	-	-
Flexibility at low temperature	EN 495-5 EN 1109	[°C]	-30	-	-
Resistance to penetration of air	EN 12114 EN 13859-2	[m ³ /(m ² .h.50Pa)]	npd	-	-
Temperature Resistance	-	[°C]	-40 / +80	-	-
Hydrostatic pressure test	EN ISO 811	[cm]	npd	-	-
Dangerous substances			npd		

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

Supplementary part:

Joint strength	EN 12317-2	[N/50mm]	npd	-	-
Emissivity (before/after ageing)	prEN 15976		0,05 / 0,05	-	-

PRODUCT APPLICATION



EN 13859-1:2010 Flexible sheets for waterproofing - Definitions and characteristics of underlays - Part 1: Underlays for discontinuous roofing

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 for both applications, timber sarking or directly over thermal insulation with recommended overlap.