DuPont™ Everon™ Technical Datasheet

Application: Flexible sheets for water proofing – Part 1: Underlays for discontinuous roofing EN 13859-1: 2010

Style name	**5820X**	Language	**English**
Type of carrier	**PP nonwoven with functional film**	Applicable for	**UK, Ireland**

PROPERTY	METHOD	UNITS	NOMINAL	MINIMUM	MAXIMUM
FUNCTIONALITY: WATER VAPOUR TRANSMISSION, WATER TIGHTNESS, WEATHER DURABILITY, FIRE CLASS					
Water vapour transmission (sd)	EN ISO 12572 (C)	m	0,03	0,015	0,05
Temperature resistance	-	°C	-	-40	+100
Flexibility at low temperature	EN 1109	°C	-	-	-40
UV exposure	-	months	-	-	3
Product- / Functional layer thickness	-	mm	0,55	-	-
Water tightness	EN 1928 (A)	class	-	W1	-
Water column	EN ISO 811	m	5	-	-
Reaction to fire (EN13501-1)	EN ISO 11925-2	class	-	E	-
PHYSICAL AND MECHANICAL PROPERTIES					
Mass per unit area	EN 1849-2	g/m²	130	120	140
Maximum tensile force (MD)	EN 12311-1	N/50mm	250	200	300
Elongation at max. tensile force (MD)	EN 12311-1	%	55	40	70
Maximum tensile force (XD)	EN 12311-1	N/50mm	200	150	250
Elongation at max. tensile force (XD)	EN 12311-1	%	50	35	65
Resistance to tearing MD (nail shank)	EN 12310-1	N	150	110	190
Resistance to tearing XD (nail shank)	EN 12310-1	N	180	140	220
PROPERTIES AFTER AGEING					
Artificial ageing by UV and heat:	EN 1297 & EN 1296	residual value			
Water tightness	EN 1928 (A)	class	W1	-	-
Maximum tensile force (MD)	EN 12311-1	%	90	-	-
MD elongation at max. tensile force	EN 12311-1	%	75	-	-
Maximum tensile force (XD)	EN 12311-1	%	90	-	-
XD elongation at max. tensile force	EN 12311-1	%	75	-	-
ADDITIONAL PROPERTIES					
Length (customer related, expressed in m)	EN 1848-2	deviation in %	0	0	-
Width (customer related, expressed in mm)	EN 1848-2	deviation in %	0	-0,5	0,5
Straightness	EN 1848-2	mm/10m	-	-	30
Dimensional stability (MD & XD)	EN 1107-2	%	-	-	1
Resistance to penetration of air	EN 12114	m³/(m² h 50Pa)	-	-	0,05
Wind Uplift Resistance (battened lap)	BS5534:2014+A2:2018	Zone	1-3	-	-

The product mentioned above, according to our assessment, fulfills the criteria of being classified as 'article' (REACH, Art. 3.3). There are no substances intended to be released from this product under normal or reasonably foreseeable conditions of use. The above article to our current knowledge does not contain substances, above the legal threshold, that are on the 'Candidate List' of Substances of Very High Concern (SVHC) as published on the ECHA website.

CE

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DuPont de Nemours (Luxembourg) S.à r.l.
2, rue General Patton, L-2984 Luxembourg
tyvek.construction@dupont.com
Tel +44 (0) 117 452 9050
www.dupont.co.uk/building.html

Some test methods are modified according to the EN 13859-1: 2010 and/or according to the DuPont ISO 9001:2015 certified quality system (for details please contact your regional DuPont representative). All values are based on roll average. This information corresponds to our current knowledge on the subject. It is offered in accordance with REGULATION (EU) No 305/2011 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 9 March 2011 laying down harmonised conditions for the marketing of construction products and repealing Council Directive 89/106/EEC. It is not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for any application other than the application as specified herein. This information may be subject to revision as new knowledge and experience becomes available. Since we cannot anticipate all variations in actual end-use conditions, DuPont makes no warranties and assumes no liabilities in connection with any use of this information for applications other than the application as specified herein. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent right. Product safety information is available on request. This data sheet is a printed document and is valid without signature.

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