

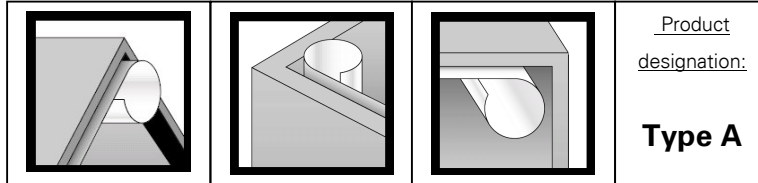
# DuPont™ Tyvek®

## 5814X

### Application:

Plastic and rubber vapour control layers

EN 13984 (Dec. 2004)



Product  
designation:

**Type A**



Style name: **5814X**  
Type of carrier: **Composite of PP, PE & AI**

Language: **English**  
Applicable for: **All regions**

PROPERTY	METHOD	UNITS	NOMINAL (Mean value)	TOLERANCE	
				Minimum	Maximum
Length (expressed in m)	EN 1848-2	%	Customer related	0	-
Width (expressed in mm)	EN 1848-2	%	Customer related	0,5	1,5
Straightness	EN 1848-2	mm/10m	-	-	75
Mass per unit area	EN 1849-2	gr/m <sup>2</sup>	149	134	164
Thickness	EN 1849-2	mm	0,43	0,33	0,83
Water tightness	EN 1928 (method A)	pass / no pass	pass	-	-
Water vapour transmission (s <sub>d</sub> )	EN 1931	m	2000	500	-
Density of water vapour flow rate (g)		kg / (m <sup>2</sup> s)	2,04 · 10 <sup>-10</sup>	-	8,04 · 10 <sup>-10</sup>
Maximum tensile force (MD)	EN 12311-1	N/50mm	440	350	-
Elongation at max. tensile force (MD)	EN 12311-1	%	25	15	-
Maximum tensile force (XD)	EN 12311-1	N/50mm	210	150	-
Elongation at max. tensile force (XD)	EN 12311-1	%	22	15	-
Resistance to tearing MD (nail shank)	EN 12310-1	N	230	150	-
Resistance to tearing XD (nail shank)	EN 12310-1	N	250	150	-
Resistance to impact	EN 12691	mm	NPD	-	-
Reaction to fire (EN 13501-1)	EN ISO 11925-2	class	E	installed on mineralwool	
Joint strength (Tyvek® Acrylic Tape)	EN 12317-2	N/5cm	-	80	-
Durability (exposure to artificial ageing) Water vapour transmission properties	EN 1931	pass / no pass	pass	-	-
Durability (against alkali)					
Elongation at max. tensile force (MD)	EN 12311-1	pass / no pass	pass	-	-
Elongation at max. tensile force (XD)	EN 12311-1	pass / no pass	pass	-	-
<b>ADDITIONAL PROPERTIES</b>					
Temperature resistance	-	°C	-	-40	+80
Bendtsen airpermeability	ISO 5636/3	ml/min	0	-	-
Gurley airpermeability	ISO 5636/5	s	-	>2000	∞
Emissivity	DIN EN 673	-	0,05	-	-
Effective R-value of air cavity with 5814X:	EN 6946				
(horizontal flow)	(calculated)	m <sup>2</sup> K/W	0,66	-	-
(vertical flow)	(calculated)	m <sup>2</sup> K/W	0,45	-	-

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*Some test methods are modified according to the EN 13984 and/or according to the DuPont DIN EN ISO 9001 (2000) certified quality system (for details please contact your regional DuPont representative). This information corresponds to our current knowledge on the subject. It is offered in accordance with Council Directive 89/106/EEC of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to construction products ("European Construction Products Directive"). 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.*

**Effective date:**

**12.02.2009**



**Tyvek.**