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CPD 89/106

**5814X**

Tradename: DuPont™ AirGuard  
Type of carrier: composite of PP & PE & Al

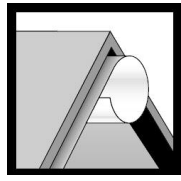
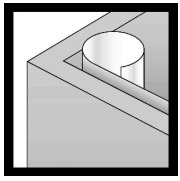
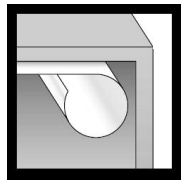
DuPont de Nemours (Luxembourg) s.à r.l.  
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# Technical Data Sheet

Language: English

Applicable for: All over Europe

Effective Date: 27.07.2007

		<b>Application:</b> Plastic and rubber vapour control layers  <b>EN 13984</b> (Dec. 2004)
	<b>Product designation:</b>  <b>Type A</b>	

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	-	-	75
Mass per unit area	EN 1849-2	gr/m <sup>2</sup>	118	110	126
Thickness	EN1849-2	mm	0,4	0,3	0,8
Water tightness	EN 1928 (method A)	pass / no pass	pass	-	-
Water vapour transmission (sd-value)	EN 1931	m	700	200	-
Density of water vapour flow rate (g)		kg / (m <sup>2</sup> s)	5,83 E-10	-	20,1 E-10
Maximum tensile force (MD)	EN 12311-1	N/50mm	560	450	-
Elongation at max. tensile force (MD)	EN 12311-1	%	15	10	-
Maximum tensile force (XD)	EN 12311-1	N/50mm	185	120	-
Elongation at max. tensile force (XD)	EN 12311-1	%	13	8	-
Resistance to tearing MD (nail shank)	EN 12310-1	N	230	150	-
Resistance to tearing XD (nail shank)	EN 12310-1	N	230	150	-
Resistance to impact	EN 12691	mm	NPD	-	-
Reaction to fire	EN 11925-2	class	E	installed on mineralwool	
Joint strength	EN 12317-2	N/5cm	-	120	-
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	-	-
Gurly airpermeability	ISO 5636/5	s	-	>2000	∞
Emissivity	DIN EN 673	-	0,08	-	-
Effective R-value of air cavity with 5814X:	EN 6946				
(horizontal flow)	(calculated)	m <sup>2</sup> K/W	0,6	-	-
(vertical flow)	(calculated)	m <sup>2</sup> K/W	0,42	-	-

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 solely to provide possible suggestions for your own experimentation. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. 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. 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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