DuPont™ AirGuard® Reflective

Technical Datasheet

Application: Plastic and rubber vapour control layers EN 13984

BBA APPROVAL INSPECTION TESTING CERTIFICATION
CERTIFICATE No.OB/4548

Style name	**5814X**	Language	**English**
Type of carrier	**PP, PE and aluminium composite**	Applicable for	**UK, Ireland**

PROPERTY	METHOD	UNITS	NOMINAL	MINIMUM	MAXIMUM
Product designation acc. to EN 13984	-	-	A	-	-
FUNCTIONALITY: WATER VAPOR AND AIR TIGHTNESS					
Water vapour transmission (sd)	EN 1931	m	2000	500	-
Density of water vapour flow rate (g)	EN 1931	kg / (m^2 s)	2,04E-10	-	8,04E-10
Emissivity	EN 15976	-	0,05	-	-
Effective R-value of air cavity with metallised sheet:					
(horizontal flow, calculated)	EN ISO 6946	m^2 K / W	-	-	0,66
(vertical flow, calculated)	EN ISO 6946	m^2 K / W	-	-	0,45
Temperature resistance	-	°C	-	-40	+80
Durability (exposure to artificial ageing)					
Water vapour transmission properties	EN 1931	pass / no pass	pass	-	-
Bendtsen airpermeability	ISO 5636/3	ml/min	0	-	-
Gurley airpermeability	ISO 5636/5	s	-	>2000	
PHYSICAL AND MECHANICAL PROPERTIES					
Mass per unit area	EN 1849-2	g/m^2	149	134	164
Thickness	EN 1849-2	mm	0,43	0,33	0,83
Water tightness	EN 1928 (A)	pass / no pass	pass	-	-
Reaction to fire	EN ISO 11925-2	class	E	-	-
Maximum tensile force (MD)	EN 12311-2	N/50mm	400	350	-
Elongation at max. tensile force (MD)	EN 12311-2	%	25	15	-
Maximum tensile force (XD)	EN 12311-2	N/50mm	210	150	-
Elongation at max. tensile force (XD)	EN 12311-2	%	21	15	-
Resistance to tearing MD (nail shank)	EN 12310-1	N	210	150	-
Resistance to tearing XD (nail shank)	EN 12310-1	N	210	150	-
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	+1,5
Straightness	EN 1848-2	mm/10m	-	-	75
Resistance to impact	EN 12691	mm	(+)		
Joint strength	EN 12317-2	N/5cm	-	80	-
Durability (against alkali)					
Elongation at max. tensile force (MD)	EN 12311-2	pass / no pass	pass	-	-
Elongation at max. tensile force (XD)	EN 12311-2	pass / no pass	pass	-	-

(+): No Performance Determined

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