

Technical Datasheet

Application: Plastic and rubber vapour control
layers EN 13984



Style name
Type of carrier

5814X
PP, PE and aluminium composite

Language
Applicable for

English
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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