Tyvek® AirGuard® Smart

Technical Datasheet

CE

Application: Plastic and rubber vapour control layers EN 13984

Style name **2009B**

Language **English**

Type of carrier **Tyvek® HDPE with polymeric coating**

PROPERTY	METHOD	UNITS	NOMINAL	MINIMUM	MAXIMUM
Product designation acc. to EN 13984	-	-	B	-	-
FUNCTIONALITY: WATER VAPOR AND AIR TIGHTNESS					
Water vapour transmission range (sd)		m	0,2 …35	-	-
Water vapour transmission (sd)	EN 1931 (23-0/75)	m	13	8	18
Density of water vapour flow rate (g)	EN 1931 (23-0/75)	kg / (m^2 s)	3,16E-08	5,14E-08	2,28E-08
Temperature resistance	-	°C	-	-40	+80
Water tightness	EN 13859-1 based on EN 1928 (A)	class	W1		
Durability (exposure to artificial ageing)					
Water vapour transmission properties	EN 1931	pass / no pass	(+)	-	-
Gurley airpermeability	ISO 5636/5	s	2000	-	-
PHYSICAL AND MECHANICAL PROPERTIES					
Mass per unit area	EN 1849-2	g/m^2	92	86	98
Thickness	EN 1849-2	µm	200	-	-
Reaction to fire (EN13501-1)	EN ISO 11925-2	class	E	-	-
Maximum tensile force (MD)	EN 12311-2	N/50mm	380	320	-
Elongation at max. tensile force (MD)	EN 12311-2	%	17	12	-
Maximum tensile force (XD)	EN 12311-2	N/50mm	380	330	-
Elongation at max. tensile force (XD)	EN 12311-2	%	20	14	-
Resistance to tearing MD (nail shank)	EN 12310-1	N	70	45	-
Resistance to tearing XD (nail shank)	EN 12310-1	N	65	40	-
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	-	280	-
Water column	EN 20811	m	3	-	-
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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