DuPont™ Tyvek® 2507B

Technical Datasheet

CE

Application: Flexible sheets for water proofing – Part 1: Underlays for discontinuous roofing
EN 13859-1

Application: Flexible sheets for water proofing – Part 2: Underlays for walls
EN 13859-2

Style name **2507B** Language **English**

Type of carrier **HDPE and PP composite (with or without integrated tape)**

PROPERTY	METHOD	UNITS	NOMINAL	MINIMUM	MAXIMUM
FUNCTIONALITY: WATER VAPOUR TRANSMISSION, WATER TIGHTNESS, WEATHER DURABILITY, FIRE CLASS					
Water vapour transmission (sd)	EN ISO 12572 (C)	m	0,025	0,005	0,045
Temperature resistance	-	°C	-	-40	+100
Flexibility at low temperature	EN 1109	°C	-	-	-40
UV exposure	-	months	-	-	4
Product- / Functional layer thickness		µm	450 / 175	-	-
Water tightness	EN 1928 (A)	class	W1	-	-
Water column	EN 20811	m	2	-	-
Reaction to fire	EN ISO 11925-2	class	E	-	-
PHYSICAL AND MECHANICAL PROPERTIES					
Mass per unit area	EN 1849-2	g/m²	145	136	154
Maximum tensile force (MD)	EN 12311-1	N/50mm	300	250	350
Elongation at max. tensile force (MD)	EN 12311-1	%	14	9	19
Maximum tensile force (XD)	EN 12311-1	N/50mm	245	200	290
Elongation at max. tensile force (XD)	EN 12311-1	%	23	16	30
Resistance to tearing MD (nail shank)	EN 12310-1	N	190	135	245
Resistance to tearing XD (nail shank)	EN 12310-1	N	205	150	260
PROPERTIES AFTER AGEING					
Artificial ageing by UV and heat:	EN 1297 & EN 1296	residual value			
Water tightness	EN 1928 (A)	class	W1	-	-
Maximum tensile force (MD)	EN 12311-1	%	90	-	-
MD elongation at max. tensile force	EN 12311-1	%	80	-	-
Maximum tensile force (XD)	EN 12311-1	%	90	-	-
XD elongation at max. tensile force	EN 12311-1	%	80	-	-
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	-	-	30
Dimensional stability (MD & XD)	EN 1107-2	%	-	-	1
Water tightness of seams	EN 13859-1	pass / no pass	pass	-	-
Resistance to penetration of air	EN 12114	m³/(m² h 50Pa)	-	-	0,25
Windtight	-	-	yes	-	-

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