

DuPont™ Tyvek® Supro

DuPont™ Tyvek® 2506B Type of carrier: laminate of HD - PE & PP

Roll Size	:	1.5m X 50m
Roll weight	:	12 kg
Coverage	:	67.5 m ² .

- Highly durable reinforced Tyvek® grade
- Helps minimizing risk of condensation
- Reduces air infiltration and convective heat losses if laps, penetration and perimeters are sealed

PROPERTIES	METHOD	UNIT	NOMINAL (Mean value)	TOLERANCE	
				Mini	Maxi
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	-	-	30
Mass per unit area	EN 1849-2	g/m ²	148	136	160
Reaction to fire	EN 11925-2	Class	E	-	-
Water tightness	EN 1928 (method A)	Class	W1	-	-
Water vapour transmission	EN ISO 12572	m	0.02	0.01	0.04
Maximum tensile force (MD)	EN 12311-1	N/50mm	340	290	390
Elongation at max tensile force (MD)	EN 12311-1	%	13	10	16
Maximum tensile force (XD)	EN 12311-1	N/50mm	295	250	340
Elongation at max tensile force (XD)	EN 12311-1	%	20	15	25
Resistance to tearing MD (nail shank)	EN 12310-1	N	165	125	215
Resistance to tearing XD (nail shank)	EN 12310-1	N	170	130	210
Resistance to penetration of air	EN 12114	m ³ (m ² hr.50Pa)	-	-	0.1
Dimensional stability (MD & XD)	EN 1107-2	%	-	-	1
Flexibility at low temperature	EN 1109	°C	-	-	-40
ARTIFICIAL AGEING BY UV AND HEAT:			RESIDUAL VALUE AGED/NEW MATERIAL		
Maximum tensile force in MD	EN 12311-1	%	90	-	-
MD elongation at max tensile force	EN 12311-1	%	85	-	-
Maximum tensile force in XD	EN 12311-1	%	90	-	-
XD elongation at max tensile force	EN 12311-1	%	85	-	-
Water tightness	EN1928 (A)	Class	W1	-	-
ADDITIONAL PROPERTIES					
Temperature resistance	-	°c	-	-40	+100
UV resistance	-	months	-	-	4
Water column	EN 20811	m	2.8	2	-
Windtight	-	-	yes	-	-

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Some test methods are modified according to the EN 13859-1&2 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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DuPont™
Tyvek®
Supro

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Tyvek®
 VCL Sd₂

DuPont™ Tyvek® 8327AD
 Type of carrier: Polypropylene &
 Ethylene-Butylacrylate Copolymer

Roll Size	:	1.5m X 50m
Roll weight	:	7.9 kg
Coverage	:	70m ² .

- Excellent vapour barrier for roofing insulation
- Specifically recommended for high humidity environments where chances of vapour diffusion into insulation are high
- Installing Tyvek® Sd₂ as part of the internal lining will help to reduce the rate of heat transferred by convection
- Acts as a barrier to air movement

PROPERTIES	METHOD	UNIT	NOMINAL (Mean value)	TOLERANCE	
				Mini	Maxi
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	g/m ²	105	100	110
Thickness	EN 1849-2	mm	0.31	0.23	0.37
Water tightness	EN 1928 (method A)	pass / no pass	NPD	-	-
Water vapour transmission	EN 1931	m	3.5	2.5	4.5
Maximum tensile force (MD)	EN 12311-1	N/50mm	200	160	-
Elongation at max tensile force (MD)	EN 12311-1	%	38	25	-
Maximum tensile force (XD)	EN 12311-1	N/50mm	170	110	-
Elongation at max tensile force (XD)	EN 12311-1	%	38	23	-
Resistance to tearing MD (nail shank)	EN 12310-1	N	240	210	-
Resistance to tearing XD (nail shank)	EN 12310-1	N	240	210	-
Resistance to impact	EN 12691	mm	NPD	-	-
Reaction to fire	EN 11925-2	class	E	-	-
Joint strength	EN 12317-2	N/5cm	-	NPD	-
DURABILITY (EXPOSURE TO ARTIFICIAL AGEING)			RESIDUAL VALUE	AGED/NEW MATERIAL	
Water vapour transmission properties	EN 1931	%	70	-	-
DURABILITY (AGAINST ALKALI)			RESIDUAL VALUE	AGED/NEW MATERIAL	
Elongation at max tensile force (MD)	EN 12311-1	%	NPD	-	-
Elongation at max tensile force (XD)	EN 12311-1	%	NPD	-	-
ADDITIONAL PROPERTIES					
Bendtsen air permeability	ISO 5636/6	ml/min	0	-	-
Gurly air permeability	ISO 5636/5	s	-	> 2000	∞

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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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 VCL Sd₂

DuPont™ Tyvek® Subtex - thermal insulation

DuPont™ Tyvek® Subtex

Composition	:	One blanket of 100% polyester (polyethylene terephthalate) and One nonwoven substrate of HDPE
Roll Size	:	1.3m X 25m
Roll Weight	:	20kg
Coverage	:	32.5 m ²

- Effective protection against water infiltration and condensation
- Permeability of vapor without absorption of water
- Neither decomposition nor yellowing with passing years
- Can be easily pressed since it is resistant to wear and tear
- Does not cause irritation to skin or eyes upon touch
- Resistant to rough transportation or aggressive storage
- The substrate is water and air impermeable and permeable to passage of vapor. This exclusive salient feature of the membrane prevents proliferation of fungus or condensation.

PROPERTIES	UNIT	METHOD	NOMINAL	LIMITS	
Insulation Blanket				Mini	Maxi
Basis Weight	g/m ²	NBR 12984 (ISO 9073-1)	525	-	-
Thickness	mm	NBR 13371 (ISO 9073-2)	75	-	-
SUBSTRATE (1580B)					
PROPERTIES	UNIT	METHOD	NOMINAL	Mini	Maxi
Basis Weight	g/m ²	NBR 12984 (ISO 9073-1)	82	-	-
Thickness	µm	NBR 1337 (ISO 9073-2)	220	-	-
Tensile Strength	N/m		4.9MD 4.3XD	-	-
Tyvek® Subtex					
PROPERTIES	UNIT	METHOD	NOMINAL		
Thermal Resistance	m ² C/W	-			1.4
Emissivity at 23°C	%	JIS A 1423			0.88
Acoustic Absorption	-	ISO 354/03 Average coefficient of absorption considering all frequency bands between 200-2000Hz ISO 11654/97 Absorb % of sound frequencies at 500Hz			a _w =0.45 80%
Flammability	specific optical density	ASTM E662 UBC. 26-3			Approved in all criteriar Without flame = 5 With flame = 91
PROPERTIES	UNIT	NOMINAL		Mini	Maxi
Length	m	25		24.75	25.25
Insulator Width	mm	1300		-	- Thermal insulation blanket
Total Width	mm	1500		-	- Substrate

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DuPont™
Tyvek®
 Subtex - thermal insulation

DuPont™ Tyvek® Solid

DuPont™ Tyvek® 2480B Type of carrier: HD-PE

Composition	:	100% HDPE Spun bonded Polyethylene.
Roll Size	:	1.5m X 50m
Roll weight	:	6 kg
Coverage	:	70m ² .

- Extremely durable, light weight and flexible
- Suitable for use as a vapour breathable membrane in pitched metal roof construction
- Can be used directly in contact with insulation
- Dimensionally stable

PROPERTIES	METHOD	UNIT	NOMINAL (Mean value)	TOLERANCE	
				Mini	Maxi
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	-	-	30
Mass per unit area	EN 1849-2	g/m ²	82	75	87
Reaction to fire	EN11925-2	Class	E	tested on mineral wool & wood	
Water tightness	EN 1928 (method A)	Class	W1	-	-
Water vapour transmission	EN ISO 12572	m	0.03	0.015	0.055
Maximum tensile force (MD)	EN 12311-1	N/50mm	245	190	300
Elongation at max tensile force (MD)	EN 12311-1	%	10	7	13
Maximum tensile force (XD)	EN 12311-1	N/50mm	215	170	260
Elongation at max tensile force (XD)	EN 12311-1	%	16	11	21
Resistance to tearing MD (nail shank)	EN 12310-1	N	90	60	120
Resistance to tearing XD (nail shank)	EN 12310-1	N	85	60	110
Resistance to penetration of air	EN 12114	m ³ /(m ² hr.50Pa)	-	-	0.1
Dimensional stability (MD & XD)	EN 1107-2	%	-	-	1
Flexibility at low temperature	EN 1109	°C	-	-	-40
ARTIFICIAL AGEING BY UV AND HEAT:					
Maximum tensile force in MD	EN 12311-1	%	90	-	-
MD elongation at max tensile force	EN 12311-1	%	85	-	-
Maximum tensile force in XD	EN 12311-1	%	90	-	-
XD elongation at max tensile force	EN 12311-1	%	85	-	-
Water tightness	EN1928 (A)	Class	w1	-	-
ADDITIONAL PROPERTIES					
Temperature resistance	-	°C	-	-40	+100
UV resistance	-	months	-	-	4
Water column	EN 20811	m	2.5	2	-
Windtight	-	-	yes	-	-

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Solid

DuPont™ Tyvek® Reflex

DuPont™ Tyvek® 3460M Type of carrier: HD-PE

Composition	:	Spun bonded polyethylene, metallized and lacquered.
Roll Size	:	1.5m X 50m
Roll weight	:	4.5 kg
Coverage	:	70m ² .

- Vapour permeable insulation underlay
- Metallized low emissive surface that reflects heat in summers and reduces heat loss in winters
- Ideal for metallic roofs in hot and dry climates
- Helps reduce the rate of heat transmitted through radiation
- Reflex 94% of Radiant heat

PROPERTIES	METHOD	UNIT	NOMINAL (Mean value)	TOLERANCE	
				Mini	Maxi
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	-	-	30
Mass per unit area	EN 1849-2	g/m ²	58	52	64
Reaction to fire	EN11925-2	Class	E	tested on mineral wool & wood	
Water tightness	EN 1928 (method A)	Class	W1	-	-
Water vapour transmission	EN ISO 12572	m	0.015	0.005	0.04
Maximum tensile force (MD)	EN 12311-1	N/50mm	165	125	205
Elongation at max tensile force (MD)	EN 12311-1	%	9	6	12
Maximum tensile force (XD)	EN 12311-1	N/50mm	140	110	170
Elongation at max tensile force (XD)	EN 12311-1	%	15	10	20
Resistance to tearing MD (nail shank)	EN 12310-1	N	65	40	90
Resistance to tearing XD (nail shank)	EN 12310-1	N	60	40	80
Resistance to penetration of air	En12114	m ³ /(m ² hr.50Pa)	-	-	0.25
Dimensional stability (MD & XD)	EN 1107-2	%	-	-	1
Flexibility at low temperature	EN 1109	°C	-	-	-40
ARTIFICIAL AGEING BY UV AND HEAT:					
Maximum tensile force in MD	EN 12311-1	%	90	-	-
MD elongation at max tensile force	EN 12311-1	%	85	-	-
Maximum tensile force in XD	EN 12311-1	%	90	-	-
XD elongation at max tensile force	EN 12311-1	%	75	-	-
Water tightness	EN1928 (A)	Class	w1	-	-
ADDITIONAL PROPERTIES					
Emissivity			0.16		
Temperature resistance			-40°C to + 100°C		
UV resistance			<4 months		
Water column			1.5 m		

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