



a Bemis Associates, Inc. company

Thermoplastic adhesive solutions

in Web, Hybrid, Net, and Film structures.

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website

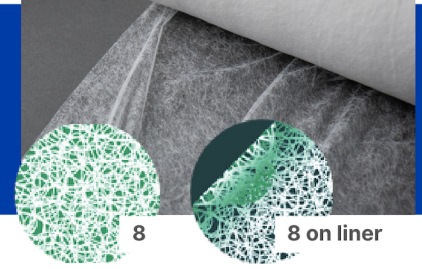


March 2024

Bonding in a sustainable way.



Webs | Lightweight, flexible, breathable.



● **Viscosity** : very high < 2cc/10min | **High** = 3 to 18; medium = 19 to 50 | **Low** = 51 to 100; very low >100)

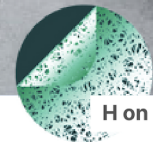
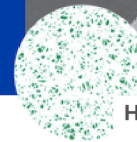
	Ref.	Bio based / VOC	Melting range (DSC °C)	Viscosity ●	Weight from-to gr/m ²	Liner ●	Key features	Applications
CoPA	*B78	●	80 - 109	low	12 - 50	S	Good bonding properties on PVC, textiles & leather	
	178	●	98 - 108	medium	8 - 80	S/F	Premium adhesive for natural/artificial/vegan leather lamination	
	BD8	●	85 - 95	low to very low	8 - 50	S	Quick bonding low melt adhesive, adapted to leather	
	B18	●	80 - 109	very low	8 - 80	S/P	Fluid, quick bonding, suitable for steam activation	
	198	●	105 - 115	medium to high	12 - 80	S/P	Good bonding for difficult substrates, plasticizer resistance	
	1Z8	●	105 - 115	low to very low	12 - 50	S/P	Soft & flexible, high tacky product, good bonding properties	
	1G8		113 - 123	medium to low	6 - 80	S/P	High runner versatile adhesive, wash resistant, dry cleanable	
	*BK8	●	113 - 123	medium to low	16 - 50	S/P	Cost effective, quick flowing adhesive, dry cleanable	
	AN8	●	119 - 129	medium to low	10 - 50	S	Excellent bonding on foam, good chemical resistance	
1A8		144 - 154	medium to low	12 - 50	S	High temperature resistance, good hydrolysis resistance		
*BC8		173 - 183	very low	6 - 50	S	Very high melt adhesive, adapted to high temperature process		
CoPES	9D8	●	87 - 97	medium to low	8 - 60	S/F	Low melt, plasticizer resistant for delicate substrates and leather	
	*ZF8		95 - 105	medium	8 - 50	S	Good oil and UV resistance, flexible	
	998		104 - 114	medium	8 - 70	S/F/P	Can be activated by HF, wash resistant, good mechanical stability	
	ZK8	●	106 - 116	medium	8 - 60	S	Good compatibility with different substrates, competitive web	
	ZQ8		111 - 121	medium to high	8 - 70	S/F/P	Soft, flexible & elastic TPEE	
	9B8	●	114 - 124	medium to low	16 - 50	S/P	Soft, wash & steam resistant, good for difficult substrates	
	978		125 - 135	medium to low	12 - 80	S	High melt, adapted to injection process, tin free	
	ZM8	●	126 - 136	low	20 - 80	S	Flame retardant properties, tin free, halogene free	
	YF8	●	139 - 149	medium	12 - 50	S	Very high melt adhesive, heat resistant, tin free	
YR8		139 - 149	medium to high	12 - 50	S	High viscous, very high melt, suitable for molding process		
*YP8		168 - 178	very high	16 - 50	S	Suitable to very high temperature processes		
TPU	6C8	●	45 - 55	medium to high	10 - 100	S/F/P	Very low melt adhesive for difficult substrates and leather	
	UG8		109 - 119	low to very low	12 - 70	D/P	Chemical resistant, elastic, tin free ester aliphatic	
	UV8		110 - 120	medium	12 - 60	D/P	Soft & elastic, ester aliphatic adhesive, UV resistant	
PO	CZ8		68 - 107	low to very low	16 - 70	S	Soft & cost effective adhesive, low temperature activation	
	3B8		97 - 107	low to very low	14 - 50	S	Economical adhesive, very fluid, good for wadding application	
Blend	*838		96 - 106	very low	20 - 40	P	Post reactive web which will increase heat resistance	
2-layer	*81W	●	87 - 108	low to medium	20 - 30	D	Bi-layer, low emission, adapted to leather bonding	



● S or D: without liner | P: with paper liner | F: with PE film liner | OEKO-TEX® references = ● | * = product not running regularly

● Very low VOC= VOC < 100 PPM | ● Low VOC= VOC from 101 to 200 PPM | ● Medium VOC= VOC > 200 ppm | ● = Bio-based references

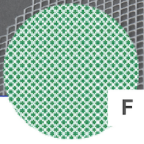
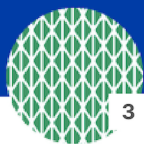
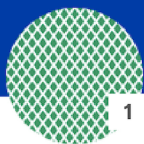
Hybrids | Innovative, efficient, unique.



	Ref.	Bio based / VOC	Melting range (DSC °C)	Viscosity	Weight from-to gr/m ²	Liner	Key features	Applications
CoPA	*17H		98 - 108	medium	35 - 60	D/P/S	High-engineered premium compound adhesive	
	*19H		105 - 115	medium to high	35 - 60	D/P	Good bonding for difficult substrates, plasticizer resistance	
CoPES	*97H		125 - 135	medium to low	35 - 60	D/P	High melt, adapted to injection process, tin free	
	*YFH		139 - 149	medium	35 - 60	D/P/S	Very high melt adhesive, heat resistant, tin free	
TPU	*UGH		109 - 119	low to very low	35 - 60	S/P	Chemical resistant, elastic, tin free ester aliphatic	
	*6CH		45 - 55	medium to high	35 - 60	S/P	Very low melt adhesive for difficult substrates and PVC	

More hybrid adhesives to be discovered.

Nets | Open, homogeneous and flexible.



	Ref.	Available structures	Melting range (DSC °C)	Viscosity	Weight from-to gr/m ²	Liner	Key features	Applications
CoPA	11	1/3/4/5/6	107 - 117	very low	30	D/P	High-runner can be activated by steam	
	*1G	6	113 - 123	low to medium	23/35	S/P	High runner versatile adhesive, wash resistant, dry cleanable	
	1A	6	144 - 154	medium	25/35	S	High temperature resistance, good hydrolysis resistance	
CoPES	92	6	126 - 136	low to medium	25/40	S	Good bonding, cost effective, rigid	
	*ZK	6	106 - 116	medium	25/40	S	Good compatibility with different substrates, competitive net	
TPU	UG	1/2/F	109 - 119	very low to low	35/50	D/P	Soft, elastic, tin free ester aliphatic	
	UV	1/2/F	110 - 120	low to medium	35/50	D/P	More viscous, soft, elastic, tin free ester aliphatic	
	6C	1/2	45 - 55	medium to high	35/45	D/P	Flexible, low melt, quick-melt, chemical resistant	
PO	31	1	78 - 88	very low	30/35	D/P	Low melt adhesive, quick activation, good liquid & airflow	

Barrier films & Membranes



	Ref.	Function / Material	Melting range (DSC °C)	Viscosity	Weight/ Thickness gr/m ² or μm	Liner	Key features	Applications
Barrier film	*6MB	Barrier film	155 - 165	very high	25 - 50 μm	D/F	High melt viscous barrier, for injection applications	
	6WB	Barrier film	162 - 172	very high	15 - 33μm	D/F	High melt barrier film, good hydrolysis resistance	
Membrane	92M	Membrane	207 - 217	very high	12 - 30	D/F	PES breathable membrane	
	*92M / 9B8	Membrane / TPE web	207 - 217 / 114 - 124	medium to high	28 - 180	S	CoPES web coated on PES membrane	

A = Adhesive + Barrier (AB) | B = Barrier | C = Adhesive + Adhesive (AA) | D = Adhesive + Barrier + Adhesive (ABA) | M = Membrane

Monolayer Films |

Strong & full surface bonding.



	Ref.	Bio based / Low VOC	Melting range (DSC °C)	Viscosity	Weight/ Thickness gr/m ²	Liner	Key features	Applications
CoPA	*179		98 - 108	medium	50 - 55	D/F	Premium compound adhesive film	
	199		105 - 115	medium to high	20-90	D/F/P	Good bonding for difficult substrates, plasticizer resistance	
CoPES	*ZQ9		114 - 124	high	25	D/F	TPEE, flexible, adapted for textile & foam applications	
	979		121 - 131	high	23 - 50	D/F	High melt, adapted to injection process, tin free	
	YV9		135 - 145	high	21 - 60	D/F	High melt tin free film for injection process	
PO	DF9		70 - 80	high	23 - 28	S	Low melt EVA film	
	*DD9		63 - 73	high	23 - 52	S	Very low melting point, fast flowing	
	3X9		70 - 80	high	21 - 100	S/E	High runner versatile product	
	5X9		70 - 114	high	19 - 52	S	Low melt, fast flowing EVA based film	
	3W9		75 - 85	high to very high	28 - 34	S	Soft, low melt economic film	
	*3P9		87 - 97	very high	30 - 75	S	High elastic, low modulus and versatile	
	*DL9		96 - 106	medium to high	24 - 47	S	Low melt, good bonding on textiles and felts very fluid	
	3R9		97 - 107	high	20 - 28	S	EAA based rigid film, good bonding on foam and aluminium	
	CK9		120 - 130	high to very high	23 - 46	S/E	High melt & viscous, good for hot moulding process	
	4A9		140 - 150	very high	28 - 56	S/E	High melt PP adhesive for PP substrates	
PU	6A9		105 - 115	high	20 - 100 µm	F	High elastic film with good elongation properties	

Multi-layer films |

Added functionality, technical, specialized.



	Ref.	Base material	Melting range (DSC °C)	Viscosity	Weight/ Thickness gr/m ² or µm	Liner	Key features	Applications
2-layer film	*5XA	A+B PO/PE	70 - 80 / 104 - 114	high	20 - 38	S	Fast activation, low melt EVA film with barrier	
	5AA	A+B PO/PE	86 - 96 / 104 - 114	high to very high	20 - 47	S	Good barrier to fluids & air	
	*2PC	A+A CoPa/PO	104 - 114 / 86 - 96	high	30	D/F	Adapted to bond two different substrates	
	4PC	A+A CoPA/PO	104 - 114 / 140 - 150	very high	30 - 60	D/F	Excellent to bond PVC or PU foam on natural or PP fibers	
	2XC	A+A CoPA/PO	100 - 110 / 70 - 80	medium to high	25 - 50	D/F	Good bonding, high tech, versatile	
	7GA	A+B TPU/TPU	105 - 115 / 155 - 165	very high	30 - 100	D/F	Excellent barrier for injection process	
3 layer film	5AD	A+B+A PO/PE/PO	86 - 96 / 104 - 114	high to very high	23 - 56	S	3-layer, competitive, viscous	
	*5XD	A+B+A PO/PE/PO	70 - 80 / 104 - 114	high	19 - 75	S	Fast flowing low melt EVA film	
	7ED	A+B+A TPU/TPU/TPU	105 - 115 / 155 - 172	very high	45-200	D/F	Soft & versatile, excellent barrier for injection use	

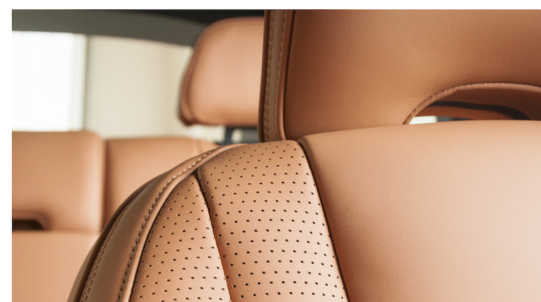
Find the right adhesive

A tailored range of adhesive solutions to meet your application requirements.

Transport



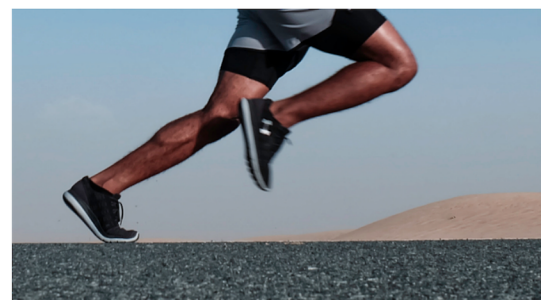
Our thermoadhesives meet a wide variety of requirements. Ensure safety, durability, and comfort to the end user with our low-emission, breathable, UV, and temperature-resistant bonding solutions.



Footwear



Minimize shoe weight with a range of light adhesives or reinforce specific parts of the shoe to add support and comfort.



Apparel



Bring comfort, aesthetic and performance by replacing stitching and sewing operations. Achieve seamless and functional designs with flexible, breathable and waterproofing adhesives.



Building



Match building market requirements with an adhesive that allows you to improve durability and meet strict construction market safety specifications.

Leather goods



Preserve the look and feel of your natural, artificial and vegan leather. Use less adhesive weight while ensuring full and even surface bonding. Leather remains flexible and soft, enabling you to achieve your sophisticated design expectations.

Consumer Electronics



Create sleeker, lighter devices that deliver more power without compromising aesthetics. Bond dissimilar mesh materials with airflow attributes to achieve acoustic requirements, adding a soft feel and reducing product weight.

Medical



Hotmelt adhesive can be applied in medical and protection applications against bacteria and viruses. Combined materials can help to reduce the spread of infection in a medical or surgical environment.

Overview of technologies

A tailored adhesive range to meet your bonding challenges with 5 technologies.

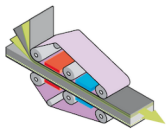
	Product	Maxi width* trimmed/mm	Raw materials	Melt °C* mini - maxi	Weight/Thickness* gr/m ² or μm
Web technology	Web with or without paper/liner	1500	CoPA, CoPES, TPU	45 - 190	4 to 100 gr/m ²
	Web without liner	2250	CoPA, CoPES, TPU, PO	45 - 190	4 to 80 gr/m ²
Hybrid technology	Hybrid on paper liner	1500	CoPA, CoPES, TPU	90 - 150	35 to 60 gr/m ²
	Hybrid without liner	2250	CoPA, CoPES, TPU	90 - 150	35 to 60 gr/m ²
Net technology	Net on paper liner	2000	CoPA, CoPES, EVA, TPU	45 - 150	13 to 50 gr/m ²
	Net without liner	2000	CoPA, CoPES	100 - 160	23 to 50 gr/m ²
Blown film technology	Adhesive film up to 5 layers	1740	CoPA, CoPES, PO, TPU	63 - 170	20 to 200 gr/m ²
	Wide width	3000	TPU, CoPA	63 - 150	20 to 150 gr/m ²
	Barrier film Membrane film	1740	CoPES, TPU, PO	85 - 220	15 to 100 gr/m ² and 15 to 150 μm
	Slit film	2500	PO	70 - 150	23 to 52 gr/m ²
	On paper liner	1500	CoPA	105 - 115	50-90 gr/m ²
Cast film technology	Cast film with paper liner	2000	TPU, CoPES, CoPA, PO	80 - 190	25μm to 300μm
	Cast film without paper liner	2000	TPU, CoPES, CoPA, PO	80 - 190	25μm to 300μm

Apart from full width adhesives, tapes are available starting from 6mm depending on the reference.

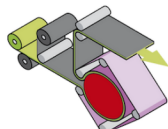
*This is an overview of our production capacity, the products specifications may differ from one to another.

Dry lamination and coating process

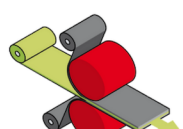
A sustainable bonding process that produces less waste and requires fewer adhesives and production steps. Here are five processes that could apply our products.



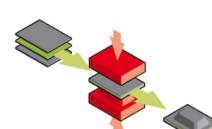
Flatbed press



Belt Calender



Regular calender



Hot press



Ironing and steaming

Our certificates



FR056378-1



Please refer to the catalogue product list if you would like to know which references are OEKO-TEX® certified.