



Pressure-Sensitive Adhesives

No matter where you look, you'll find Avery Dennison™ adhesives: self-adhesive postage stamps, mailing labels, bandages, automotive bonding, clear beer labels and battery labels.

They have a broad performance range: from ultra-removable to ultra-high adhesion – our adhesive products are ideal for demanding applications in the electronics, medical, industrial, graphics, construction, and consumer goods industries. There are four types of pressure-sensitive adhesives:

EMULSIONS

Emulsions are acrylic polymer adhesives that are suspended in water.



SOLUTIONS

Solutions, also called solvent adhesives, are acrylic and rubber polymers in a petroleum-



HOT-MELTS

Hot-melts are based on block copolymers usually hard soft hard block SBC's. Oils, plasticizers and tackifiers are added to improve performance.



ULTRAVIOLETS

These adhesives have the characteristic of being a light-cured acrylic adhesive (thermoset).



OUR VALUE TO THE CUSTOMER

Our advantage is in our global presence, experience, and an in depth knowledge of pressure-sensitive adhesives, that allow us to create adhesives which provide a range of solutions for the customer. Many Avery Dennison customers use customized adhesives, with unique functions that meet very precise requirements. Our goal is always the same: to enhance product value and drive growth.

Last updated July 2017

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Adhesive Name	Adhesive Classifications	Sections Featured	Adhesive Name	Adhesive Classifications	Sections Featured	Adhesive Name	Adhesive Classifications	Sections Featured
AL170	Permanent	5.1	S2045C	Permanent	1.1.2	S697	Permanent	3.1
AL171	Permanent	3.1	S2045N	Permanent	1.1.1 1.1.2 1.1.3	S700 LUM	Permanent	3.1
C2020P	Permanent	3.1	S2045NP	Permanent	3.1	S700	Permanent	3.1
C2040	Permanent	1.1.1 1.1.2	S2047N	Permanent	2.1 4.1	S8001	Permanent	5.1
C2075N	Deep freeze & Semi Permanent	1.3	S2060N	Permanent	1.1.1	S8007	Permanent	5.1
C3	Removables & Reclosures	1.2.2	S2060NP	Permanent	3.1	S8015	Permanent	5.1
ClearCut™ S7000	Permanent	1.1.2	S2065N	Permanent	1.1.3	S8020	Permanent	5.1
ClearCut™ S7400	Permanent	2.1	S2085	Permanent	1.1.1	S8030	Permanent	5.1
ClearCut™ S7450	Permanent	4.1	S2196	Permanent	3.1	S8039	Permanent	5.1
GRX1	Wash-off	2.2	S2660	Permanent	1.1.1	S8049	Permanent	5.1
LR2N	Removables & Reclosures	1.2.3	S277	Permanent	1.1.2 1.1.3	S8065	Permanent	5.1
M7500	Permanent	2.1	S2800	Permanent	1.1.1 1.1.2 1.3	S8088	Permanent	5.1
R100	Removables & Reclosures	1.2.1 1.3	S3100	Permanent	1.1.2	S8092	Permanent	5.1
R1490M	Removables & Reclosures	1.2.2	S4000N Lum	Permanent	3.1	SR3011	CleanFlake	2.2
R3200	Removables & Reclosures	1.2.2	S4000N	Permanent	1.1.2	TrueCut™ S2000NG	Emulsion acrylic	1.1.1
R5000N	Removables & Reclosures	1.2.1 1.2.3	S445N	Permanent	1.1.1 1.1.3	TrueCut™ S2550	Emulsion acrylic	1.1.1
R5050	Removables & Reclosures	1.2.2	S451	Permanent	1.1.1 3.1	UR400	Removables & Reclosures	1.2.1
R5100	Removables & Reclosures	1.2.1 1.2.3	S4700	Permanent	1.1.2	UR500	Removables & Reclosures	1.2.1
S2000N	Permanent	1.1.1 1.1.3	S477	Permanent	1.1.2	UR515	Removables & Reclosures	1.2.2
S2000NP	Permanent	3.1	S517N	Permanent	2.1	UVR145	Removables & Reclosures	1.2.2
S2012 HTC	Permanent	1.1.3	S5200N	Permanent	1.1.1 1.1.2	W7600	Wash-off	2.2
S2012 HT	Permanent	1.1.3	S692NP	Permanent	3.1	WLA	Wash-off	4.2
S2025N	Permanent	1.1.1 1.1.3	S692N	Permanent	1.1.2 1.1.3	WR3000N	Wash-off	1.4
S2030	Permanent	2.1 4.1	S697 Lum	Permanent	3.1	WR682N	Wash-off	1.4 4.2

1 General Purpose

Adhesive Name and Quality	Application	Typical Initial Tack FTM9 Glass (N/25mm)	Typical Peel 90° FTM2 St. St. (N/25mm)	Min. Application Temp	Service Temp.	Food contact compliant*	Fatty foods contact compliant**
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1.1 Permanents

1.1.1 Paper							
S2000N Emulsion acrylic	Characterized by a high initial tack, excellent adhesion and good low temperature performance on a wide variety of substrates. Favourable adhesive properties allow the product to be used on a wide range of flat and curved substrates, including packaging materials such as cardboard, plastic films and HDPE containers.	15	8	0 °C	-20 °C > +80 °C	Yes	Yes
TrueCut™ S2000NG Emulsion acrylic	Characterised by a good initial tack, medium ultimate adhesion and good low temperature performance on a wide variety of substrates.	15	8	5	-20°C to 50°C	Yes	Yes
TrueCut™ S2550 Emulsion acrylic	Characterised by an excellent initial tack, excellent ultimate adhesion and a broad temperature performance on a wide variety of substrates.	16	9	0	-20°C to 50°C	Yes	Yes
S2045N Hotmelt rubber	Features excellent tack and adhesion on a wide variety of substrates, including apolar, slightly rough and curved substrates. Particularly good performance at lower temperatures, e.g. labelling of chilled products.	22	8	0 °C	-40 °C > +70 °C	Yes	No
S2025N Hotmelt rubber	Excellent tack and adhesion on a wide variety of substrates, including apolar, slightly rough and curved substrates. This adhesive is designed specifically for application at room temperature onto cardboard substrates.	28	14	5 °C	-40 °C > +70 °C	Yes	No
S2060N Hotmelt rubber	Excellent tack and adhesion on a wide variety of substrates, including apolar, slightly rough and curved substrates. Very good low temperature performance.	24	13	0 °C	-40 °C > +70 °C	Yes	No
S445N Hotmelt rubber	This highly aggressive adhesive is specially designed for use on difficult and rough substrates. It also has excellent performance at low temperature and on apolar substrates.	33	17	-5 °C	-40 °C > +70 °C	Yes	No
S2085 Hotmelt rubber	A special purpose extra permanent, rubber based adhesive. This highly aggressive adhesive is specially designed for use on difficult and rough substrates. It also has excellent performance at low temperature and on apolar substrates. The adhesive can be used in direct contact with dry and moist, non fatty foodstuffs.	35	18	0 °C	-20°C to +70°C	Yes	No
S451 Solvent rubber	Suitable for general application on a wide range of substrates at temperatures down to - 5°C. Excellent tack and adhesion to most surfaces, including apolar materials such as polyethylene. Even on slightly damp surfaces, the adhesive often performs well.	16,5	9	-5 °C	-40 °C > +80 °C	Yes	No
S2800 Emulsion acrylic	An aggressive, permanent, acrylic based, deep freeze adhesive exhibiting high adhesion on fresh meat in both ambient and heavily chilled conditions. In addition to an excellent general application performance on a wide range of primary and secondary food packaging the product can be used successfully in applications involving direct labelling of moist and fatty foodstuffs.	8	5,5	-15 °C	-50 °C > +120 °C	Yes	Yes
S2660 Emulsion acrylic	The adhesive is characterized by a high initial tack, excellent adhesion on glass, PE, PP substrates and good low temperature performance. Provides excellent die cutting and stripping properties. Recommended for difficult label shapes and high speed conversion. Good mandrel performance.	17	10	0 °C	-20°C to +80°C	Yes	No
S5200N Emulsion acrylic	A special emulsion acrylic adhesive, developed with high cohesive strength and extreme low migratory nature, preventing deep penetration into fibres and subsequent adhesive transfer, staining, fibre pick or textile disruption. The adhesive gives a balanced level of adhesion versus clean removability on a wide variety of natural and man made textile types and finishes i.e. cotton, lambs wool, cotton and cotton/acrylic blends.NB. Application of any self adhesive material onto particularly sensitive surfaces such as silk, suede and leathers should be undertaken with caution. While S5200N has proven to give clean removability from a wide range of fibres pre-testing with all fabric types to be labelled is still recommended.	5	3.5	10 °C	-20°C to 80°C	Yes	No
C2040 Emulsion acrylic	C2040 is a permanent, acrylic based adhesive, specially designed for use at low temperature and freezer conditions. It features good tack and adhesion to a wide variety of packaging materials such as cardboard, plastic films, HDPE, PP and PET including apolar substrates. Typical applications are the labeling of food products in deep-freeze warehouse or packaging plants. Limited performance on curved surfaces (mandrel).	8	5.5	-15 °C	-50°C to 80°C	Yes	Yes



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* The adhesive complies with the European food directives and legislations, FDA 175.105 and the German recommendations XXI as published by BfR. BfR (Bundesinstitut für Risikobewertung) is the German Federal Institute for Risk Assessment. The adhesive can be used in direct contact with dry and moist, non fatty foodstuffs.
** Can also be used in direct contact with fatty foods. For more information regarding the reduction factor of the adhesive please go to label.averydennison.eu.
*** The adhesive layer may stand in direct contact with fatty foodstuffs as long as the total size of the label does not exceed 1m²/kg foodstuff.

1 General Purpose

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1.1 Permanents

1.1.2

Film							
ClearCut™ S7000 Emulsion acrylic	A clear adhesive exhibiting a balance of release properties to enable high speed converting and dispensing on increasingly thinner substrates. Specifically designed to exhibit excellent wet out characteristics and water-whitening resistance. Significantly less adhesive bleed vs. industry standard, which reduces downtime on press and dispensing equipment.	10	6,5	+5 °C	-20 °C > +80 °C	Yes	Yes***
S692N Emulsion acrylic	A clear adhesive featuring excellent UV resistance and weatherability together with good adhesion performance, even on apolar substrates.	10	6	+5 °C	-20 °C > +80 °C	Yes	Yes
S4000N Emulsion acrylic	A clear adhesive featuring excellent UV, water and heat resistance and good tack and adhesion performance - even on apolar surfaces such as polyethylene bottles and packaging films. Used in combination with polyester liners.	9	7	+10 °C	-20 °C > +100 °C	Yes	Yes***
S4700 Emulsion acrylic	A clear adhesive featuring excellent initial tack, adhesion, 'wet-out' performance even on apolar surfaces such as HDPE. Improved temperature, water, solvent and chemical resistance.	17	9	0 °C	-20 °C > +80 °C	Yes	Yes
S477 Emulsion acrylic	New generation clear transparent emulsion adhesive for oil can applications, featuring excellent initial tack, adhesion, wet-out performance even on apolar surfaces such as HDPE. Improved temperature water, solvent and chemical resistance.	20	10	0 °C	-20 °C > +80 °C	No	No
S2045N Hotmelt rubber	Features excellent tack and adhesion, in combination with polypropylene filmic facestock, on a wide variety of substrates, including apolar, slightly rough and curved substrates. Particularly good performance at lower temperatures, e.g. labelling of chilled products.	22	10	0 °C	-40 °C > +70 °C	Yes	No
S2045C Hotmelt rubber	A unique ultra clear hotmelt adhesive. The adhesive features excellent tack and adhesion on a wide variety of substrates, including apolar, slightly rough and curved substrates. Particularly good performance at lower temperatures, e.g. labeling of chilled food products.	25	12	0 °C	-40°C to 70°C	Yes	No
S277 Solvent rubber	Excellent tack and adhesion to a wide variety of substrates including apolar surfaces and freshly moulded HDPE bottles in combination with suitable face material.	20	12	+5 °C	-20 °C > +80 °C	Yes	No
S3100 Hotmelt UV acrylic	A special purpose permanent, acrylic based UV hotmelt adhesive. S3100 features excellent tack and adhesion to a wide variety of substrates including apolar surfaces.	19	12	+5 °C	-20 °C > +120 °C	Yes	No
S2800 Emulsion acrylic	An aggressive, permanent, acrylic based, deep freeze adhesive exhibiting high adhesion on fresh meat in both ambient and heavily chilled conditions. In addition to an excellent general application performance on a wide range of primary and secondary food packaging the product can be used successfully in applications involving direct labelling of moist and fatty foodstuffs.	8	5,5	-15 °C	-50 °C > +120 °C	Yes	Yes
S5200N Emulsion acrylic	A special emulsion acrylic adhesive, developed with high cohesive strength and extreme low migratory nature, preventing deep penetration into fibres and subsequent adhesive transfer, staining, fibre pick or textile disruption. The adhesive gives a balanced level of adhesion versus clean removability on a wide variety of natural and man made textile types and finishes i.e. cotton, lambs wool, cotton and cotton/acrylic blends.NB. Application of any self adhesive material onto particularly sensitive surfaces such as silk, suede and leathers should be undertaken with caution. While S5200N has proven to give clean removability from a wide range of fibres pre-testing with all fabric types to be labelled is still recommended.	5	3,5	10 °C	-20°C to 80°C	Yes	No
C2040 Emulsion acrylic	C2040 is a permanent, acrylic based adhesive, specially designed for use at low temperature and freezer conditions. It features good tack and adhesion to a wide variety of packaging materials such as cardboard, plastic films, HDPE, PP and PET including apolar substrates. Typical applications are the labeling of food products in deep-freeze warehouse or packaging plants. Limited performance on curved surfaces (mandrel).	8	5,5	-15 °C	-50°C to 80°C	Yes	Yes

1 General Purpose

Adhesive Name and Quality	Application	Typical Initial Tack FTM9 Glass (N/25mm)	Typical Peel 90° FTM2 St. St. (N/25mm)	Min. Application Temp	Service Temp.	Food contact compliant*	Fatty foods contact compliant**
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1.1 Permanents

1.1.3 VI							
S2000N Emulsion acrylic	Characterized by a high initial tack, excellent adhesion and good low temperature performance on a wide variety of substrates. Favourable adhesive properties allow the product to be used on a wide range of flat and curved substrates, including packaging materials such as cardboard, plastic films and HDPE containers.	15	8	0 °C	-20 °C > +80 °C	Yes	Yes
S2045N Hotmelt rubber	Features excellent tack and adhesion on a wide variety of substrates, including apolar, slightly rough and curved substrates. Particularly good performance at lower temperatures, e.g. labelling of chilled products.	22	10	0 °C	-40 °C > +70 °C	Yes	No
S2025N Hotmelt rubber	Excellent tack and adhesion on a wide variety of substrates, including apolar, slightly rough and curved substrates. This adhesive is designed specifically for application at room temperature onto cardboard substrates.	28	14	5 °C	-40 °C > +70 °C	Yes	No
S2012 HT Emulsion acrylic	Features good tack and adhesion performance on a wide range of substrates, even at low temperatures. Very low bleeding characteristics for optimal use in hot laser and copier machines.	10	5,5	0 °C	-20 °C > +80 °C	Yes	Yes
S2012 HTC Emulsion acrylic	High initial tack and adhesion performance on a wide range of substrates including cardboard, even at low temperatures. Very low bleeding characteristics for optimal use in hot laser and copier machines.	17	7	0 °C	-20 °C > +80 °C	Yes	Yes
S2065N Hotmelt rubber	Features excellent wettability and adhesion to a wide variety of substrates including apolar surfaces. Specially designed for automatic label dispensing, in particular for air blowing dispensing systems at cool temperature down to 0°C.	15	8	-5 °C	-5 °C > +70 °C	Yes	No
S445N Hotmelt rubber	This highly aggressive rubber based adhesive is specially designed for use on difficult and rough substrates. In addition, it has excellent performance at low temperature and on apolar substrates.	33	17	-5 °C	-40 °C > +70 °C	Yes	No
S692N Emulsion acrylic	Features excellent UV resistance and weatherability together with good adhesion performance, even on apolar substrates.	10	6	+5 °C	-20 °C > +80 °C	Yes	Yes
S277 Solvent rubber	Excellent tack and adhesion to a wide variety of substrates including apolar surfaces.	20	12	+5 °C	-20 °C > +80 °C	Yes	No

1.2 Removables & Reclosures

1.2.1 Paper							
R5000N Emulsion acrylic	Features good tack and adhesion in combination with superior and clean removability from most substrates. Good UV resistance and long term removability.	4	2	-15 °C	-30 °C > +80 °C	Yes	Yes
R100 Solvent rubber	For general application, with good initial tack and adhesion. Excellent removability. Superb low temperature performance. R100 removes clean from many substrates such as polymeric (PET, PP, ABS, PS), greeting cards, aluminium, stainless steel and glass (not suitable for window labelling). Application to porous substrates such as paper and board, or prolonged exposure to UV light may adversely affect clean removability.	2,5	1,5	-20 °C	-40 °C > +80 °C	Yes	No
R5100 Hotmelt rubber	For general application, with good initial tack and adhesion. Excellent removability. Application to porous substrates or prolonged exposure to UV light may adversely affect clean removability.	5	2,5	-20 °C	-40 °C > +70 °C	Yes	No
UR400 Solvent rubber	An ultra removable adhesive. Relatively low adhesion level that allows easy and clean removal of labels from most substrates. Extreme or long term UV light exposure may reduce removability performance. Outdoor use is not recommended.	0,5	0,2	+5 °C	-20 °C > +80 °C	No	No
UR500 Solvent rubber	UR500 is a ultra removable adhesive for paper facematerials and has a relatively low adhesion level which allows easy and clean removal of labels from most substrates. Application to porous substrates such as paper and board, or prolonged exposure to UV light may adversely affect clean removability	1,5	0,7	-20 °C	-40 °C > +80 °C	No	No



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* The adhesive complies with the European food directives and legislations, FDA 175.105 and the German recommendations XXI as published by BfR. BfR (Bundesinstitut für Risikobewertung) is the German Federal Institute for Risk Assessment. The adhesive can be used in direct contact with dry and moist, non fatty foodstuffs.

** Can also be used in direct contact with fatty foods. For more information regarding the reduction factor of the adhesive please go to label.averydennison.eu.

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1 General Purpose

Adhesive Name and Quality	Application	Typical Initial Tack FTM9 Glass (N/25mm)	Typical Peel 90° FTM2 St. St. (N/25mm)	Min. Application Temp	Service Temp.	Food contact compliant*	Fatty foods contact compliant**
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1.2 Removables & Reclosures

1.2.2 Film

C3 Emulsion acrylic	A highly transparent, removable adhesive. High ageing stability for removable labels, e.g. for cosmetics and pharmacy applications. Can be used for example on flat, dry surfaces, e.g. plate glass, crystal glass, stainless steel.	4	2,5	+0 °C	-40 °C > +100 °C	Yes	No
R1490M Solvent acrylic	A removable acrylic based adhesive exhibiting excellent durability, weatherability and UV resistance. The adhesive shows good moisture and solvent resistance, clean removability and a smooth and quiet peel from PET and PP substrates.	7	3	+5 °C	-20 °C > +80 °C	Yes	Yes
UVR145 Solvent acrylic	Excellent clarity and UV resistance. On a few substrates (a.o. PVC, Polystyrene and ABS) the adhesion tends to become higher over time.	6,5	3	+5 °C	-20 °C > +80 °C	Yes	No
R3200 Hotmelt UV acrylic	A semi permanent UV Hot-melt acrylic based adhesive. The adhesive features excellent clarity, durability, chemical and UV resistance.	4,3	3,5	+5 °C	-20 °C > +80 °C	Yes	No
UR515 Emulsion acrylic	An ultra removable adhesive. Designed for use with filmic face materials. Good UV resistance and long term removability.	3	1,5	-15 °C	-30 °C > +80 °C	Yes	No
R5050 Emulsion acrylic	A semi-permanent adhesive. This semi-permanent adhesive ensures a high tack removability. Very good repositionability as well as cold temperature resistance.	5	3	+5 °C	-25 °C > +70 °C	Yes	Yes

1.2.3 VI

R5000N Emulsion acrylic	Features good tack and adhesion in combination with superior and clean removability from most substrates. Good UV resistance and long term removability.	4	2	-15 °C	-30 °C > +80 °C	Yes	Yes
LR2N Emulsion acrylic	A specially formulated removable adhesive with good tack and adhesion performance in combination with superior and clean removability. Good UV resistance and relatively long term removability. Allows application at a wide temperature range and retains its removability properties at fairly low temperatures. Can be used in direct contact with dry and moist, non-fatty foodstuffs. The adhesive is specially designed for VI printer products, e.g. for laserprinters and copiers.	4,5	2,5	-15 °C	-30 °C > +80 °C	Yes	Yes
R5100 Hotmelt rubber	General application, with good initial tack and adhesion. Excellent removability. Application to porous substrates or prolonged exposure to UV light may adversely affect clean removability.	5	2,5	-20 °C	-40 °C > +70 °C	Yes	No

1.3 Deep freeze & Semi Permanent

C2075N Hotmelt rubber	Specially designed for use at low temperatures and in freezer conditions. Good tack and adhesion to a wide variety of packaging materials. Generally good adhesion performance can be achieved on slightly frosted surfaces.	12	6,5	-25 °C	-50 °C > +70 °C	Yes	No
R100 Solvent rubber	For general application, with good initial tack and adhesion. Excellent removability. Superb low temperature performance.	2,5	1,5	-20 °C	-40 °C > +80 °C	Yes	No
S2800 Emulsion acrylic	An aggressive, permanent, acrylic based, deep freeze adhesive exhibiting high adhesion on fresh meat in both ambient and heavily chilled conditions. In addition to an excellent general application performance on a wide range of primary and secondary food packaging the product can be used successfully in applications involving direct labelling of moist and fatty foodstuffs.	8	5,5	-15 °C	-50 °C > +120 °C	Yes	Yes

1.4 Wash-off

WR3000N Emulsion acrylic	A wash-off, emulsion acrylic based adhesive. Must be used in dry, non-humid conditions. Typically used in applications like work in process and ship & track. The adhesive is water washable.	11	6,5	+5 °C	-20 °C > +80 °C	No	No
WR682N Emulsion acrylic	Water removable. Main usage in labelling of glass bottles. Adhesives have to be applied and stored under dry conditions.	10	6,5	+5 °C	-20 °C > +80 °C	No	No

2 Beer & Beverage

Adhesive Name and Quality	Application	Typical Initial Tack FTM9 Glass (N/25mm)	Typical Peel 90° FTM2 St. St. (N/25mm)	Min. Application Temp	Service Temp.	Food contact compliant*	Fatty foods contact compliant**
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2.1 Permanent

S2030 Emulsion acrylic	Provides excellent die cutting and stripping properties. Recommended for difficult label shapes and high speed conversion. Very good mandrel performance.	17	7	+5 °C	-20 °C > +80 °C	No	
S2047N Rubber hotmelt	Provides high tack and adhesion on difficult bottle surfaces. Recommended for low temperature application. Excellent ice bucket resistance.	23	12	+5 °C	-30 °C > +70 °C	Yes	
ClearCut™ S7400 Emulsion acrylic	A clear adhesive designed specifically for prime beer label applications. It is engineered to be applied on clean and dry surfaces. After label is applied, it will not be affected by moist environment typical for breweries. Also S7400 has excellent wet-out, converting, stripping and dispensing characteristics and up to 50% lower adhesive bleed, which improves operational efficiency and reduces equipment downtime. After the label has been applied this adhesive maintains clarity even with extended exposure to ice water (72 hours).	8	5	+5 °C	-20 °C > +80 °C	Yes	
S517N Solvent acrylic	Designed to meet the challenging demands of the glass beer and beverage markets. It can withstand temperature extremes, offer excellent clarity, and remains clear even during high levels of pasteurization.	12,5	9,5	+10 °C	-40 °C > +115 °C	No	
M7500 Solvent	A clear adhesive that maintains clarity and is designed specifically for returnable beer and beverage applications that require resistance to water. Engineered to be applied to dry and clean surfaces of new bottles. After the label is applied, it will not be affected by moist environment typical for bottling breweries and all process steps during the bottle filling for 30+cycles. Maintains clarity during extended exposure to ice water (72 hours). Also has excellent wet-out, converting, stripping and dispensing characteristics. To ensure maximum durability we recommend to have sample bottles analyzed prior to application (in our lab facility).	12	7	+5 °C	-20 °C > +90 °C	Yes	

2.2 Wash-off

W7600 Emulsion acrylic	A transparent, dispersion-based permanent acrylic adhesive. W7600 is designed specifically for prime returnable Beer & Beverage applications which require excellent wet-out and wash off performance. Engineered to be applied on dry surfaces. After label is applied it will not be affected by moist environment typical for breweries. Maintains clarity through extended exposure to ice water (72 hours), has excellent wet-out, converting, stripping, dispensing and caustic wash off characteristics. This adhesive permits residue-free removal of bottle labels when washed in an alkali solution.	9	6,5	+5 °C	-20 °C > +60 °C	Yes	
GRX1 Emulsion acrylic	Engineered to be applied on dry surfaces. After label is applied it will not be affected by moist environment typical for breweries. Maintains clarity through extended exposure to ice water (72 hours), has excellent wet-out, converting, stripping, and dispensing characteristics. This adhesive permits residue-free removal of labels during the glass recycling process. Product is specially developed for no-label look'' decoration for the returnable Beer & Beverage market. A minimum of 1% moisture in the glass cullet is required to facilitate good removability of the labels. Typically glass cullet contains 2% to 5% moisture already.	9	6,5	+5 °C	-20 °C > +60 °C	Yes	
SR3011 Emulsion acrylic	SR3011 is a clear emulsion adhesive designed for PET packaging which will be recycled. SR3011 adheres to the PET packaging during its life cycle and is deactivated in the sink/float recycling process, allowing the facestock and adhesive to cleanly separate from the PET flake.	9	6,5	+5 °C	-20 °C > +60 °C	Yes	

3 Pharma

Adhesive Name and Quality	Application	Typical Initial Tack FTM9 Glass (N/25mm)	Typical Peel 90° FTM2 St. St. (N/25mm)	Min. Application Temp	Service Temp.	Food contact compliant*	Fatty foods contact compliant**
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3.1 Permanent

S2000NP Emulsion acrylic	Characterized by a high initial tack and excellent adhesion on glass, PE, PP and cardboard substrates. Developed specially for applications on small cylindrical containers, test tubes, curved substrates and on other known substrates in the pharmaceutical industry.	17	10	0 °C	-20 °C > +80 °C	Yes	
S692NP Emulsion acrylic	Developed for the pharmaceutical industry with lowest risk for migration. Excellent UV resistance together with good adhesion performance, even on apolar substrates. Also suitable for applications on small cylindrical containers and curved substrates.	11	6,5	+5 °C	-20 °C > +80 °C	Yes	
S4000N Lum Emulsion Acrylic	An extra clear, luminescent adhesive for use with clear filmic face and liner materials. The adhesive features excellent water and heat resistance, good tack and adhesion performance, even on apolar surfaces such as polyethylene bottles. UV resistance of the dye is limited and to maintain UV reflectance levels labels should not be exposed to UV light for prolonged periods. Unconverted as well as converted labelmaterial should be stored protected from light – exposure to light reduces the luminescence. The performance of printed labels should always be tested in the actual conditions of use.	9	5	+10 °C	-20 °C > +100 °C	No	
S697 Lum Solvent Acrylic	A clear, luminescent adhesive for use with clear filmic face and liner materials.	12	9	+5 °C	-40 °C > +90 °C	No	
S697 Solvent acrylic	The adhesive is perfectly suitable for uses that need a good resistance to UV, drippings or solvents. Good general adhesion performance on a wide range of substrates.	14,5	9	+5 °C	-40 °C > +90 °C	No	
S2045NP Hotmelt rubber	Excellent tack and adhesion on a wide variety of substrates, including apolar, slightly rough and curved substrates. Particularly good performance at lower temperatures (around 5°C).	21	11	0 °C	-40 °C > +70 °C	Yes	
S2060NP Hotmelt rubber	Suitable for pharmaceutical applications at low temperatures (around 5°C) and for secondary blood bag labelling. High initial tack and excellent adhesion on glass, PE, PP and cardboards. It is in compliance with DIN ISO 3826 for secondary blood bag labelling. Own testing under practise conditions recommended.	23	12	0 °C	-40 °C > +70 °C	Yes	
C2020P Emulsion Acrylic	High initial tack, excellent adhesion and performance at low temperatures on a wide variety of substrates (including apolar surfaces), especially when utilized in below 0° C temperatures applications. It is in compliance with DIN ISO 3826 for secondary blood bag labelling.	12	6	-20 °C	-50 °C > +80 °C	Yes	
S700 Solvent Acrylic	A reinforced permanent acrylic based adhesive with very good initial tack and adhesion to a wide range of substrates.	19	11	+5 °C	-40 °C > +90 °C	No	
S700 LUM Solvent Acrylic	A clear, luminescent adhesive for use with clear filmic face and liner materials. Very good initial tack and adhesion on a wide range of substrates. The luminescent properties of the product allow automatic label dispensing and/or missing label control using UV-light detection equipment.	19	12	+5 °C	-40 °C > +90 °C	No	
AL171 Solvent Acrylic	A transparent adhesive of extremely high ageing stability for long-term applications. The adhesive has been tested in accordance with DIN ISO 3826 and meets the requirements of the so-called Toy Standard EN 71-3.	13	7	+10 °C	-80 °C > +140 °C	No	
S2196 Emulsion acrylic	Designed to perform at cryogenic temperatures and under difficult conditions, such as dry ice, steam sterilization. Recommended for labeling laboratory identification vials, test tubes, steel, glass and PP plates applied at room temperature and exposed to cryogenic conditions. Preliminary tests have to be done on the substrates in real conditions of use.	14	9	+10 °C	-196 °C > +120 °C	Yes**	
S451 Solvent rubber	Suitable for general application on a wide range of substrates at temperatures down to - 5°C. Excellent tack and adhesion to most surfaces, including apolar materials such as polyethylene. Even on slightly damp surfaces, the adhesive often performs well.	16,5	9	-5 °C	-40 °C > +80 °C	Yes	

4 Wine&Spirits

Adhesive Name and Quality	Application	Typical Initial Tack FTM9 Glass (N/25mm)	Typical Peel 90° FTM2 St. St. (N/25mm)	Min. Application Temp	Service Temp.	Food contact compliant*	Fatty foods contact compliant**
4.1 Permanent							
S2047N Hotmelt Rubber	Excellent tack and adhesion to a wide variety of difficult substrates including apolar (PP, PE) , slightly rough and curved substrates. Particularly good performance on bottle, and at lower temperatures. and for some moist content	23	12	+5 °C	-30 °C > +70 °C	Yes	
S2030 Emulsion acrylic	High initial tack and excellent adhesion. Specially designed for wine and beverage labeling applications as it allows easy conversion of difficult label shapes. Particularly suitable for difficult die cutting and high speed application.	17	7	+5 °C	-20 °C > +80 °C	Yes	
ClearCut™ S7450 Emulsion acrylic	Exhibits a balance of release properties to enable high speed converting and dispensing on increasingly thinner substrates. Specifically designed to exhibit excellent wet out characteristics, water-whitening resistance and up to 50% lower adhesive bleed, which improves operational efficiency and reduces equipment downtime.	10	6,5	+5 °C	-20 °C > +80 °C	Yes	
4.2 Wash-off							
WLA Emulsion acrylic	Permits residue-free removal of bottle labels when washed in an alkali solution. Ideal for the labelling of returnable bottles. Suitable for use in ice buckets. Recommended to use a 1,5% lye, 60°C - 80°C alkaline solution for the bottle washing. Removability is substantially influenced by the wash-off temperature (higher temperature gives shorter wash-off time), type of paper used, kind of print (line or halftone varnished or laminated) and storage and weathering of the applied label. Essential that printed labels are checked for the removability to ensure trouble free removal.	18	7	+10°C	0 °C > +50 °C	No	
WR682 Emulsion acrylic	Water removable. Main usage in labelling of glass bottles. Adhesives have to be applied and stored under dry conditions.	10	6,5	+5 °C	-20 °C > +80 °C	No	

5 Durables

Adhesive Name and Quality	Application	Typical Initial Tack FTM9 Glass (N/25mm)	Typical Peel 90° FTM2 St. St. (N/25mm)	Min. Application Temp	Service Temp.	Food contact compliant*	Fatty foods contact compliant**
S8020 Emulsion acrylic	Clear permanent adhesive featuring excellent temperature, UV resistance and weatherability together with good overall adhesion performance. Used for overlamination films.	7,5	9,5	+5 °C	-40 °C > +150 °C		
S8001 Emulsion acrylic	Good initial tack and high ultimate adhesion onto a variety of substrates including apolar plastics and lacquers. It also offers good resistance to solvents and cleaners. S8001 is specifically developed for labelling electronic, home appliance and other electrical items due to its good bonding performance on a wide range of polar and apolar surfaces including metals, polycarbonate, ABS and polypropylene. S8001 is available worldwide meaning it is suitable for global manufacturers seeking to consolidate label specifications around the world.	12	10,5	+5 °C	-40 °C > +150 °C		
S8007 Emulsion acrylic	General purpose adhesive featuring good heat and UV resistance together with good adhesion performance. The adhesive is designed for labelling smooth surfaces with a high or medium surface energy like metals or plastics, for example ABS, Polystyrene, Polycarbonate and Nylon.	7,5	6,75	+5 °C	-40 °C > +150 °C		
AL170 Solvent acrylic	Strong, permanent adhesive which is distinguished by very high ageing stability. It features excellent resistance against chemicals and heat. Used in automotive applications, for cable labels, for overlaminating purposes. Not recommended for labelling low surface energy substrates.	9,25	12,5	0 °C	-40 °C > +150 °C		
S8015 Solvent acrylic	High strength permanent acrylic adhesive featuring high initial tack, adhesion and shear. Offers strong permanent bonding to a wide variety of substrates, including high surface energy, low surface energy and powder coated substrates. The high tack, high coat weight adhesive S8015 is used for difficult substrates, including low surface energy and rough substrates.	22	14	+7 °C	-40 °C > +150 °C		
S8030 Solvent acrylic	Features a balanced adhesive performance on a wide variety of substrates including low energy plastics combined with good chemical resistance. This all-round performing product provides good adhesion onto smooth low surface energy plastics.	10	13,5	+5 °C	-40 °C > +150 °C		
S8039 RHA solvent acrylic	Rubber hybridised acrylic adhesive with extremely high final adhesion on a wide variety of surfaces including textured and low surface energy substrates. Excellent chemical resistance. This is a premium product for the automotive industry using patented Avery Dennison RHA (rubber hybridised acrylic) adhesive technology. It is designed primarily for creating labels to be applied onto low surface energy plastic automotive parts or other rough or low surface energy surfaces. The product is briefly repositionable and then the adhesion increases to very high ultimate peel strength. S8049 products are engineered to be resistant to - also harsh - chemicals commonly found in the automotive and electronics industry.	23	24	+5 °C	-40 °C > +150 °C		
S8049 RHA solvent acrylic	Rubber hybridised acrylic adhesive with extremely high final adhesion on a wide variety of surfaces including textured and low surface energy substrates. Excellent chemical resistance. This is a premium product for the automotive industry using patented Avery Dennison RHA (rubber hybridised acrylic) adhesive technology. It is designed primarily for creating labels to be applied onto low surface energy plastic automotive parts or other rough or low surface energy surfaces. The product is briefly repositionable and then the adhesion increases to very high ultimate peel strength. S8049 products are engineered to be resistant to - also harsh - chemicals commonly found in the automotive and electronics industry.	25,75	26,5	+5 °C	-40 °C > +150 °C		
S8065 Solvent acrylic	High coat weight permanent acrylic based adhesive specially formulated for adhesion to apolar and rough surfaces. Thanks to the apolarity of S8065 good adhesion can be achieved on most surfaces including low surface energy plastics and textured surfaces such as structured metals.	10	13,5	+5 °C	-40 °C > +150 °C		
S8092 Silicone adhesive	Silicone adhesive with good final adhesion on a wide variety of surfaces including textured and low surface energy substrates. S8092 is designed for conversion into identification, warning and tracking labels on very difficult substrates including siliconized fabrics. It features superior resistance towards temperature extremes, moisture, chemicals and UV light.	21	14	+5 °C	-40 °C > +150 °C		
S8088 Solvent acrylic	High temperature acrylic adhesive with excellent heat and chemical resistance. S8088 was specially developed for labeling printed circuit boards prior to soldering.	6	8	+10 °C	-40 °C > +280 °C		

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