

Roll Label Adhesive Guide



# Stronger Together


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Adhesive	Min. App. Temp.	Service Range	U.V. Resistance	Solvent Resistance	Description
<b>General Purpose Permanent</b>					
<b>mactac®</b>					
InFusion®	+20°F (-7°C)	-65°F to +150°F (-54°C to +65°C)	No	No	Hybrid adhesive system is a proprietary blend of adhesive and silicone to allow clean die-cutting and matrix stripping at faster speeds and wider webs. Aggressive permanent adhesion to a variety of surfaces including polystyrene, polypropylene, polyethylene, paper and corrugate. Suitable for cold, damp labeling applications.
710VHP	+20°F (-7°C)	-65°F to +150°F (-54°C to +65°C)	No	No	Permanent, rubber-based adhesive with excellent tack and ultimate adhesion to a variety of surfaces including polystyrene, polypropylene, polyethylene, paper and corrugate. Suitable for cold, damp labeling applications. Exceptional high speed converting.
ST-95	+25°F (-4°C)	-75°F to +200°F (-59°C to +93°C)	Good	Moderate	A general purpose permanent acrylic emulsion with aggressive initial tack, excellent ultimate adhesion and mandrel hold. Very good adhesion to corrugated, glass, and various plastic substrates. Very good mandrel hold and glove friendly, ST-95 is widely used in healthcare applications.
<b>spinnaker®</b>					
4LZ™	45°F	-40° to 250°F	No	No	This acrylic adhesive provides excellent ultimate adhesion to a wide variety of substrates and designed to be compatible with most low-speed and high-speed laser printers. Acrylic-based Permanent
BP-52	40°F	-40° to 200°F	No	No	A general purpose acrylic adhesive with excellent die cutting characteristics and ultimate adhesion to a broad range of substrates. Well suited for small, cylindrical labeling, and is glove friendly. Acrylic-based Permanent
SFA™	15°F	-40° to 240°F	No	Limited	A clear, general purpose, emulsion acrylic permanent adhesive designed for applications with film facestocks. SFA exhibits excellent ultimate adhesion to polyethylene, polypropylene, and glass. Well suited for small, cylindrical labeling and is glove friendly. Acrylic-based Permanent
BP-164	40°F	-50° to 150°F	No	No	A general purpose hot melt adhesive with excellent quick-stick properties. This adhesive exhibits excellent adhesion to a broad range of packaging surfaces and has improved die cutting and stripping attributes compared to other hot melt rubber based adhesives. Rubber-based Permanent
B-82	40°F	-50° to 150°F	No	No	A general purpose hot melt adhesive with excellent quick-stick properties and long-term adhesion to a broad range of surfaces. Rubber-based Permanent
XYZ™	15°F	-45° to 230°F	No	Limited	A general purpose acrylic adhesive for paper facestocks, featuring excellent ultimate adhesion to polypropylene, polyethylene, and glass. Also appropriate for cylindrical labeling such as test tubes, vials, etc. with the appropriate facestock. May allow for open time with some substrates. Acrylic-based Permanent
<b>All-Temperature Permanent</b>					
<b>mactac®</b>					
CHILL AT®	-10°F(-23°C)	-65°F to +150°F (-54 to +65°C)	No	No	An all temperature hot melt adhesive with excellent quick stick and ultimate adhesion. It performs in both cold and damp environments and in elevated temperature applications. Chill AT is made to convert well on today's faster and wider presses.
640-AT	-20°F(-29°C)	-65°F to +200°F (-54 to +93°C)	Limited	No	An all temperature glove friendly acrylic adhesive that performs in both cold and damp environments and in elevated temperature applications. 640-AT converts well on today's faster and wider presses.
<b>spinnaker®</b>					
ATP™	20°F	-65° to 200°F	No	No	An all-temperature acrylic adhesive suitable for a wide variety of applications with paper facestocks providing exceptional converting characteristics that allow stripping of intricate die patterns as well as wide-web, high-speed processing. Acrylic-based Permanent
B-122F™	-10°F	-65° to 200°F	No	Limited	A clear all temperature acrylic adhesive featuring excellent adhesion to a variety of surfaces with film facestocks. It covers a broad temperature range and has excellent converting characteristics on press. The high initial tack of B-122F to low surface energy polyolefins makes it an ideal for blow-on applications. Acrylic-based Permanent
C-122F™	-10°F	-65° to 200°F	No	Limited	A premium drum and barrel acrylic adhesive for film facestocks that provides excellent adhesion to painted metal, polyolefin and fiber drums in all weather conditions. As a heavy coat weight of B-122F™, it is well suited for the most demanding of label applications. Acrylic-based Permanent

\* Item not available for custom applications

Adhesive	Min. App. Temp.	Service Range	U.V. Resistance	Solvent Resistance	Description
<b>Removable</b>					
<b>mactac®</b>					
<b>HR-51</b>	+32°F (0°C)	-40°F to +200°F (-40°C to +93°C)	Good	Moderate	A general purpose removable adhesive. Offers excellent long-term removability from a wide variety of substrates.
<b>MR860</b>	+25° F (-4°C)	-40°F to +200°F (-40°C to +93°C)	Limited	No	A general-purpose acrylic based removable adhesive with excellent long- term removability from a wide variety of surfaces. Always pretest removable adhesives for suitability in each particular end use application.
<b>MR840</b>	+25° F (-4°C)	-40°F to +200°F (-40°C to +93°C)	Limited	No	An ultra removable acrylic emulsion adhesive characterized by low ultimate adhesion to most substrates. Not recommended for curved surfaces or Corrugated. Testing is highly recommended.
<b>LT-20</b>	+32°F (0°C)	-40°F to +200°C (-40°C to +93°C)	Good	Moderate	AA specially designed adhesive that exhibits delayed or low initial tack and moderate ultimate adhesion. Short-term removability from many substrates.
<b>spinnaker®</b>					
<b>B-91</b>	40°F	-40° to 200°F	No	Limited	A removable adhesive providing excellent medium to long-term removability with minimal or no adhesive residue on a wide variety of substrates, particularly hard, smooth surfaces. Acrylic-based Removable
<b>LiftOff™</b>	30°F	-20° to 140°F	Limited	No	A hot melt removable adhesive featuring excellent long-term removability. Good initial adhesion and clean removability allows for use on a variety of surfaces. Rubber-based Removable
<b>GPR™</b>	40°F	-40° to 200°F	Limited	Limited	A general purpose acrylic removable adhesive designed to remove cleanly from a wide variety of substrates. It is engineered to give excellent tack with minimal building of adhesion over time from a variety of surfaces. It is appropriate for laser applications. Acrylic-based Removable
<b>B-92</b>	40°F	-40° to 200°F	Limited	Limited	An aggressive general-purpose removable adhesive with medium initial tack. It will act as a permanent on smooth surfaces over long time periods or when used with paper facestocks. Acrylic-based Removable
<b>RSM-92*</b>	18°F	10° to 150°F	Moderate	Moderate	A removable, emulsion acrylic adhesive with good performance for indoor and outdoor use. Acrylic-based Removable
<b>VR</b>	50°F	14° to 176°F			This unique removable acrylic will generate the VOID letter on the film side but does not make residue on the applied surface. The performance may vary depending on the type and finish of the surface, so have prior testing before usage. Acrylic-based Removable
					
<b>KV11</b>	+14°F (-10°C)	-40°F to +189°F (-40°C to +87°C)	Moderate	Moderate	A moderate to high tack removable acrylic adhesive where a certain level of adhesion is required. Good adhesion to a variety of surfaces. Removability may vary upon the type of surface and condition used, testing recommended.
<b>MF</b>	+39°F (4°C)	-40°F to +189°F (-40°C to +87°C)	Moderate	Moderate	A moderate tack removable acrylic adhesive. Moderate adhesion to a variety of surfaces. Removability may vary upon the type of surface and condition used, testing recommended.
<b>Silicone POP</b>	+50°F (10°C)	-40°F to +212°F (-40°C to +100°C)	Excellent	Excellent	A silicone adhesive that enables clean and reliable removability. Unique wet-out properties allow air to escape from the label upon application.


\* Item not available for custom applications

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<b>Cold Temperature</b>					
<b>spinnaker®</b>					
A-BC-20™	10°F	-50° to 120°F	No	No	A-BC-20 is a light coat weight of BC-20 cold temperature permanent. It is a hot melt, rubber-based pressure sensitive adhesive featuring excellent adhesion to a variety of packaging materials and other substrates over a wide temperature range. In field processing, A-BC-20 standard constructions have displayed excellent die cutting and stripping characteristics. Rubber-based Permanent
BC-20™	10°F	-50° to 120°F	No	No	A cold temperature hot melt adhesive featuring excellent adhesion to a variety of packaging materials and other substrates over a wide temperature range. It displays good die cutting and stripping characteristics. Rubber-based Permanent
CLD-10	10°F	-50° to 145°F	No	No	An economical hot melt adhesive for a broad range of cold temperature applications needing high initial tack with excellent die cutting and stripping properties. Rubber-based Permanent
PRM-550*	25°F	-30° to 175°F	No	Moderate	An aggressive emulsion acrylic appropriate for indoor and outdoor labeling. Acrylic-based Permanent
PDL-09*	35°F	-10° to 200°F	No	Moderate	A cold temperature emulsion acrylic adhesive with excellent properties for drum labels. Die cuts very well and is an excellent choice for roll-to-sheet labels. Acrylic-based Permanent
SC-21	25°F	-50° to 140°F	No	No	A robust hot-melt adhesive exhibiting excellent adhesion and quick tack to a broad range of surfaces over a wide application temperature range. It displays the superior converting characteristics of an acrylic and wide web converting is excellent. Rubber-based Permanent
<b>Freezer Permanent</b>					
<b>mactac®</b>					
Glacier® 733	0°F (-18°C)	-65°F to +150°F (-54°C to +65°C)	No	No	A rubber-based freezer adhesive characterized by moderate initial tack and excellent ultimate adhesion. Works effectively with common meat label packaging substrates and has shown excellent performance on cold/wet substrates.
<b>spinnaker®</b>					
Frostbite™	-15°F	-65° to 160°F	No	No	A highly aggressive rubber-based adhesive featuring excellent initial tack and ultimate adhesion when applied at freezer conditions. Also an excellent choice when applied to packaging materials at room temperature and then subjected to -40° F blast freezing conditions. It will adhere to a variety of surfaces despite specific amounts of frost and / or moisture (testing is recommended). When used in warm environments (above room temperature), you will experience ooze and have converting issues. Rubber-based Permanent
<b>Cryogenic</b>					
<b>spinnaker®</b>					
Cryogenic	39°F	-320° to 248°F	Good	Good	A high tack solvent acrylic with excellent adhesion to small diameter test tubes and ampules. This adhesive resists edge lifting when repeatedly subjected to changes between extremely low temps and room temp, such as removal from liquid nitrogen. This component is not available for custom constructions. Acrylic-based Permanent
					
Cryogenic	+39°F (+4°C)	-320°F to +248°F (-196°C to +120°C)	Good	Good	A high tack acrylic adhesive with superior adhesion to small diameter test containers. Resists edge lifting when repeatedly subjected to changes between low and high temperatures such as removal from liquid nitrogen.

\* Item not available for custom applications

Adhesive	Min. App. Temp.	Service Range	U.V. Resistance	Solvent Resistance	Description
<b>High-Tack Permanent</b>					
<b>mactac®</b>					
<b>CHILL AT® Extreme</b>	-10°F (-23°C)	-65°F to +150°F (-54°C to +65°C)	No	No	A high tack all temperature hot melt adhesive with outstanding quick tack and ultimate adhesion. It performs in both cold and damp environments and in elevated temperature applications.
<b>MF2030</b>	-20°F (-29°C)	-65°F to +200°F (-54°C to +93°C)	Limited	No	A special drum high tack cold temperature acrylic adhesive specifically developed to adhere to all types of metal and polyethylene drums.
<b>MP725</b>	+20°F (-7°C)	-65°F to +150°F (-54°C to +65°C)	No	No	A special purpose permanent rubber-base adhesive. Provides excellent adhesion to rubber and many other difficult substrates
<b>705VHP</b>	+20°F (-7°C)	-65°F to +150°F (-54°C to +65°C)	No	No	A high-tack rubber-based permanent adhesive formulated to provide excellent adhesion to many difficult substrates. It has good flow characteristics, which permits adhesion to most rough textured surfaces.
<b>XT99</b>	+32°F (0°C)	-75°F to +200°F (-59°C to +93°C)	Good	Moderate	A special formulation of permanent high tack acrylic adhesive with superior adhesion for demanding applications requiring greater tack than standard adhesives.
<b>XT-100</b>	+32°F (0°C)	-75°F to +200°F (-59°C to +93°C)	Good	Moderate	A permanent, ultra high tack adhesive designed for special applications requiring greater tack than a standard industrial product. Especially good on rough and porous substrates
<b>MP690</b>	+50°F (+10°C)	-40°F to +302°F (-40°C to +150°C)	Good	Good	MP-690 is a high performance acrylic emulsion with a broad service temperature range with excellent UV, moisture and chemical resistance. MP-690 is used in durable applications requiring UL 969, CSA C22.2 compliance recognition.
					
<b>PAT1</b>	+39°F (+4°C)	-40°F to +302°F (-40°C to +150°C)	Good	Good	A high performance, permanent acrylic adhesive with excellent ultimate adhesion and mandrel hold. Extremely chemical and solvent resistant with very good adhesion to various high and low energy substrates.
<b>DA1</b>	+39°F (4°C)	-40°F to +176°F (-40°C to +80°C)	Good	Good	A high performance, durable, permanent acrylic adhesive with aggressive initial tack and excellent ultimate adhesion. Very good adhesion to various high and low energy substrates and temperature and humidity resistance.
<b>Heat Resistant</b>	+50°F (10°C)	14°F to +485°F (-10°C to +250°C)	Moderate	Good	A high performance, permanent acrylic adhesive with excellent heat, chemical and solvent resistance.
<b>NPL</b>	+32°F (0°C)	-40°F to +248°F (-40°C to +120°C)	Good	Good	A high performance, permanent acrylic adhesive with excellent clarity and ultimate adhesion ideally for overlaminating material.
<b>Oil Tolerant</b>	+41°F (5°C)	-40°F to +212°F (-40°C to +100°C)	Good	Good	An acrylic adhesive that absorbs oil, enabling strong adhesion to lubricated surfaces. No surface degreasing required.
<b>P100</b>	+50°F (10°C)	-40°F to +300°F (-40°C to +149°C)	Good	Good	A high performance permanent acrylic adhesive with good chemical, humidity, elevated temperature and UV resistance. Outstanding adhesion to most surfaces.
<b>P293DS</b>	+39°F (4°C)	-40°F to +212°F (-40°C to +100°C)	Good	Good	A high performance, white, durable, permanent acrylic adhesive with high initial tack and excellent ultimate adhesion to various high and low surface energy substrates. Good chemical and solvent resistance
<b>PT3</b>			No	No	A rubber based permanent adhesive formulated to provide excellent adhesion to tires as well as good adhesion to many other difficult, low surface energy substrates.
<b>Silicone HR</b>	+50°F (+10°C)	14°F to +572°F (-10°C to +300°C)	Excellent	Excellent	A high performance, permanent silicone adhesive with excellent heat, chemical and solvent resistance.
<b>PT3</b>			No	No	A rubber based permanent adhesive formulated to provide excellent adhesion to tires as well as good adhesion to many other difficult, low surface energy substrates.
<b>Silicone HR</b>	+50°F (+10°C)	14°F to +572°F (-10°C to +300°C)	Excellent	Excellent	A high performance, permanent silicone adhesive with excellent heat, chemical and solvent resistance.

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<b>Specialty Permanent</b>					
<b>mactac®</b>					
<b>PUREtac® CL216</b>	+32°F (0°C)	-50°F to +160°F (-46°C to +71°)	No	No	A permanent, optically clear adhesive designed to deliver permanent adhesion in the film-based labeling and packaging of health, beauty, food, beverage and household cleaning products. It exhibits exceptional clarity and resistance to water whitening. Complies with FDA 21 CFR 175.125.
<b>MP880</b>	+40°F (4°C)	-65°F to +350°F (-54°C to +176°C)	Good	Good	A permanent acrylic adhesive with excellent tack and ultimate adhesion to a variety of surfaces. Designed for film labeling applications. It exhibits exceptional clarity and resistance to water whitening. Complies with FDA 21 CFR 175.105.
<b>MP-910</b>	+25°F (-4°C)	-75°F to +200°F (-59°C to +93°C)	Good	Moderate	MP-910 adhesive is a patented formula designed to eliminate virtually all sheet edge adhesive bleed and eliminate the need to strip a matrix around the edge. It is general purpose, permanent acrylic emulsion adhesive, characterized by excellent ultimate adhesion to a wide variety of substrates.
<b>PUREfloat®</b>	+40°F (4°C)	-60°F to +200°F (-51°C to +93°C)	Good	No	PUREfloat is a clear, permanent acrylic emulsion adhesive, designed to enable PET bottle and thermoform container recycling per The Association of Plastic Recyclers (APR) Design Guide for Plastics Recyclability
<b>MP-238</b>	+25°F (-4°C)	-40°F to +257°F (-40°C to +125°C)	Good	No	MP238 is a permanent, emulsion acrylic adhesive with excellent tack and ultimate adhesion to a variety of surfaces. MP238 is designed for film labeling applications. It exhibits exceptional clarity and resistance to water whitening.
<b>Direct Food Contact</b>					
<b>mactac®</b>					
<b>CHILL AT® FDA</b>	-10°F (-23°C)	-65°F to +150°F (-54 to +65°C)	No	No	An all temperature rubber based adhesive that performs well in normal to freezer applications. Complies to 21 C.F.R. 175.125 (a) labels applied to poultry, dry foods, and processed, frozen, dried, or partially dehydrated fruits and vegetables and 21 C.F.R. 175.125 (b) labels applied to raw fruits and vegetables.
<b>711VHP</b>	+20°F (-7°C)	-65°F to +120°F (-54°C to +49°C)	No	No	A general purpose permanent adhesive featuring moderate cold temperature application properties complies to 21 C.F.R. 175.125 (a) labels applied to poultry, dry foods, and processed, frozen, dried, or partially dehydrated fruits and vegetables and 21 C.F.R. 175.125 (b) labels applied to raw fruits and vegetables.
<b>Peel &amp; Reseal</b>					
<b>mactac®</b>					
<b>ReLatch® MP820</b>	+40°F (+4°C)	-65°F to +350°F (-54 to +176°C)	Good	Good	A peel / reseal acrylic adhesive with good initial tack but low to medium ultimate adhesion to a variety of film surfaces. It exhibits clarity and resistance to water whitening.

Adhesive	Min. App. Temp.	Service Range	U.V. Resistance	Solvent Resistance	Description
<b>Specialty</b>					
<b>mactac®</b>					
27	+50°F (+10°C)	-40° to 180°F	Good	Good	Removable aggressive adhesive suitable for peel / reseal applications. Can be used in a variety of applications. Solvent removable
28	+50°F (+10°C)	-40° to 180°F	Good	Good	Removable adhesive suitable for peel / reseal applications. Can be used in a variety of applications. Solvent removable
22	+50°F (+10°C)	-40° to 212°F	Good	Good	High clarity adhesive with excellent adhesion to a wide range of materials / inks. Solvent Permanent
CC	+32°F	-40° to 180°F	Good	Good	Ultra low peel removable adhesive with cling performance. Solvent removable
<b>spinnaker®</b>					
AmpClamp™	45F	-5° to 240°F	No	No	A specialty battery hot melt adhesive designed to adhere aggressively to textured polypropylene, typical of battery casings, while withstanding the rigors of heat, chemical, and moisture present in these applications. Paired with the appropriate facstock, it tests well in a number of OEM adhesion and acid tests such as GM6121M Type II label spec. Not for other automotive / underhood applications. Rubber-based Permanent
FC-125	10°F	-40° to 170°F	No	No	A specialty hot melt adhesive designed for application to the skin of edible raw fruits and vegetables when used with an appropriate face material. This adhesive does meet FDA requirements under the 21 CFR 175.125(b)(2) for adhesives. Rubber-based Permanent
GripTight™	40°F	-30° to 150°F	No	No	An aggressive hot melt adhesive designed for difficult surfaces including building materials, manufactured products or components, packaging materials, horticultural products, plastics, and wovens. While it's a heavy coat weight, it will die cut, strip, and dispense well compared to other similar aggressive adhesives - no adhesive pattern application needed. Rubber-based Permanent
SureLock™	25°F	-50° to 140°F	No	No	A hot melt adhesive exhibiting high tack and appropriate flow to aid in many hard-to-stick textured applications. It converts with less build up on press than many other higher coat weight competitors, and also provides a flat release profile for good dispensing. Rubber-based Permanent
					
Bubble Free	+50°F (+10°C)	-40°F to +212°F (-40°C to +100°C)	Good	Good	A special acrylic adhesive that promotes air release during application and also resists blistering and label delamination caused by outgassing emitted from plastics.
Outgas Resistant	+39°F (4°C)	-40°F to +212°F (-40°C to +100°C)	Moderate	Good	A special acrylic adhesive that resists blistering and label delamination caused by outgassing emitted from plastics.
Specialty VOID	+50°F (+10°C)	14°F to +176°F (-10°C to +80°C)	Good	Moderate	A unique removable acrylic that will generate VOID on the film side but does not leave residue on the applied surface. The performance may vary depending on type and finish of the surface, testing recommended.

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Mactac, CHILL AT, Glacier, PUREfloat, 4LZ, AmpClamp, ATP, B-122F, BC-20, C-122F, Frostbite, GripTight, GPR, SFA, SureLock, XYZ and Spinnaker are registered trademarks of Morgan Adhesives Company.

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