

REPLACE . . . Screws, Rivets, Welds, and Other Traditional Fasteners.

SOLVE . . . Joining Challenges for Dissimilar Materials.

REDUCE . . . Noise, Vibration, and Harshness.



With Die-Cut 3M™ VHB™ Tapes

VHB high-strength, double-sided acrylic foam tapes enable you to quickly and easily create a long-lasting bond that builds strength over time.

Creates an invisible bond—allowing design engineers to use new, innovative materials to improve product aesthetics.

Distributes dynamic and/or static stress—avoiding concentrated stress points and improving holding strength.

Replaces mechanical fasteners—enabling lightweighting initiatives and lowering component and transportation costs.

Bonds on contact with no cure time required—increasing application and processing efficiencies.

Provides exceptional vibration resistance—eliminating NVH and reducing wear and tear while preventing bi-metallic corrosion.

Resists cold, UV light, temperature fluctuations, moisture and solvents—sealing against environmental conditions and creating a lasting bond.

Bonds to a variety of plastics and paint systems—providing a secure seal to dissimilar materials.

Ideal for precision die cutting—allowing for application-specific parts cut to the precise shape and size to meet your needs.

Applications:

- Attach logos, trim, and extrusions
- Bond lenses and touch panels
- Affix architectural signs to frames
- Adhere panels to frames
- Apply stiffeners to panels
- And much more

CONTACT US TODAY
at sales@jbc-tech.com



WWW.JBC-TECH.COM

440.327.4522 | 7887 Bliss Parkway, North Ridgeville, OH 44039

4941 Family—Multi-purpose acrylic adhesive

Conformable. Good adhesion to many painted metals. Plasticizer resistant. UL746C.

TEMPERATURE RATING:	300°F / (149°C) – intermittent 200°F / (93°C) – continuous
SOLVENT RESISTANCE:	High
RELATIVE ADHESION:	HSE – high LSE – medium

Part #	Tape Thickness w/o Liner Mils (mm)	Liner	Carrier Color
4926	15 (0.4)	A	Gray
4936	25 (0.6)	A	Gray
4936F	25 (0.6)	F	Gray
4941	45 (1.1)	A	Gray
4941F	45 (1.1)	D	Gray
4956	62 (1.6)	A	Gray
4956F	62 (1.6)	F	Gray
4991	90 (2.3)	F	Gray
4991B	90 (2.3)	F	Black
4919F	25 (0.6)	F	Black
4947F	45 (1.1)	F	Black
4979F	62 (1.6)	F	Black

5952 Family—Modified acrylic adhesive

Good adhesion to many painted surfaces including powder coated paint.

TEMPERATURE RATING:	300°F / (149°C) – intermittent 250°F / (121°C) – continuous
SOLVENT RESISTANCE:	High
RELATIVE ADHESION:	HSE – high LSE – medium

Part #	Tape Thickness w/o Liner Mils (mm)	Liner	Carrier Color
5906	6 (0.15)	G	Black
5907	8 (0.2)	G	Black
5908	10 (.25)	G	Black
5909	12 (0.3)	G	Black
5915	16 (0.4)	F	Black or White
5915P	16 (0.4)	E	Black or White
5915WF	16 (0.4)	F	Black or White
5925	25 (0.6)	F	Black or White
5925P	25 (0.6)	E	Black or White
5925WF	25 (0.6)	F	Black or White
5930	32 (0.8)	F	Black or White
5930P	32 (0.8)	E	Black or White
5930WF	32 (0.8)	F	Black or White
5952	45 (1.1)	F	Black or White
5952P	45 (1.1)	E	Black or White
5952WF	45 (1.1)	F	Black or White
5962	62 (1.6)	F	Black or White
5962P	62 (1.6)	E	Black or White
5962WF	62 (1.6)	F	Black or White

RP Tape Family—Multi-purpose adhesive

Conformable. Good adhesion to many painted materials Closed-cell acrylic foam carrier.

TEMPERATURE RATING:	250°F / (121°C) – intermittent 200°F / (93°C) – continuous
SOLVENT RESISTANCE:	High
RELATIVE ADHESION:	HSE – high LSE – medium

Part #	Tape Thickness w/o Liner Mils (mm)	Liner	Carrier Color
RP16	16 (0.4)	A	Gray
RP16F	16 (0.4)	F	Gray
RP25	25 (0.6)	A	Gray
RP25F	25 (0.6)	F	Gray
RP32	32 (0.8)	A	Gray
RP32F	32 (0.8)	F	Gray
RP32F	32 (0.8)	F	Gray
RP45F	45 (1.1)	F	Gray
RP62	62 (1.6)	A	Gray
RP62F	62 (1.6)	F	Gray

4945 Family—Multi-purpose adhesive

Closed-cell acrylic foam carrier. Plasticizer resistant.

TEMPERATURE RATING:	300°F / (149°C) – intermittent 200°F / (93°C) – continuous
SOLVENT RESISTANCE:	High
RELATIVE ADHESION:	HSE – high LSE – low

Part #	Tape Thickness w/o Liner Mils (mm)	Liner	Carrier Color
4945	45 (1.1)	A	White
4946	45 (1.1)	B	White

4952 Family—Low surface energy adhesive

Closed-cell acrylic foam carrier. Good adhesion to polypropylene and many powder paints.

TEMPERATURE RATING:	200°F / (93°C) – intermittent 160°F / (71°C) – continuous
SOLVENT RESISTANCE:	High
RELATIVE ADHESION:	HSE – high LSE – high

Part #	Tape Thickness w/o Liner Mils (mm)	Liner	Carrier Color
4932	25 (0.6)	A	White
4952	45 (1.1)	B	White

Note: The technical information and data provided here should be considered representative or typical only and should not be used for specification purposes. User should evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of application.

4622 Family—Multi-purpose adhesive

Closed-cell acrylic foam carrier.

TEMPERATURE RATING:	250°F / (121°C) – intermittent 200°F / (93°C) – continuous
SOLVENT RESISTANCE:	High
RELATIVE ADHESION:	HSE – high LSE – low

Part #	Tape Thickness w/o Liner Mils (mm)	Liner	Carrier Color
4932	25 (0.6)	H	White
4952	45 (1.1)	H	White
4924	62 (1.6)	H	White

4950 Family—General purpose acrylic adhesive

*Closed-cell acrylic foam carrier.
UL 746C.*

TEMPERATURE RATING:	Standard: 300°F / (149°C) – intermittent 200°F / (93°C) – continuous High: 400°F / (204°C) – intermittent 300°F / (149°C) – continuous
SOLVENT RESISTANCE:	High
RELATIVE ADHESION:	HSE – high LSE – low

Part #	Tape Thickness w/o Liner Mils (mm)	Liner	Temp.
4914	10 (0.25)	A	Standard
4920	15 (0.4)	A	Standard
4929	25 (0.6)	C	Standard
4930	45 (1.1)	A	Standard
4930F	45 (1.1)	D	Standard
4949	45 (1.1)	C	Standard
4950	45 (1.1)	A	Standard
4955	80 (2.0)	C	Standard
4959	6 (0.15)	C	High
4959F	8 (0.2)	D	High

4951 Family—Low temperature acrylic adhesive

Closed-cell acrylic foam carrier. Apply at temperatures as low as 32°F.

TEMPERATURE RATING:	300°F / (149°C) – intermittent 200°F / (93°C) – continuous
SOLVENT RESISTANCE:	High
RELATIVE ADHESION:	HSE – high LSE – low

Part #	Tape Thickness w/o Liner Mils (mm)	Liner	Carrier Color
4951	6 (0.15)	C	White
4943F	16 (0.4)	C	Gray
4957F	32 (0.8)	C	Gray

4910 Tape Family—General purpose acrylic adhesive

Clear acrylic construction. Ideal for joining transparent material.

TEMPERATURE RATING:	300°F / (149°C) – intermittent 200°F / (93°C) – continuous
SOLVENT RESISTANCE:	High
RELATIVE ADHESION:	HSE – high LSE – low

Part #	Tape Thickness w/o Liner Mils (mm)	Liner	Carrier Color
4905	20 (0.5)	F	Dark Gray
4910	40 (1.0)	F	Dark Gray

4611 Tape Family—General purpose acrylic adhesive

Closed-cell acrylic foam carrier. High temperature resistant. UL746C.

TEMPERATURE RATING:	450°F / (232°C) – intermittent 300°F / (149°C) – continuous
SOLVENT RESISTANCE:	High
RELATIVE ADHESION:	HSE – high LSE – low

Part #	Tape Thickness w/o Liner Mils (mm)	Liner	Carrier Color
4646	25 (0.6)	D	Dark Gray
4611	45 (1.1)	D	Dark Gray
4655	62 (1.6)	D	Dark Gray

LINER KEY:

A – 3 mil 54# Densified Kraft Paper
D – 5 mil Red Polyethylene Film
G – 4 mil Clear Polyethylene Film

B – 5 mil Clear Polyethylene Film
E – 4 mil 58# Polycoated Kraft Paper
H – 5 mil Green PE Film

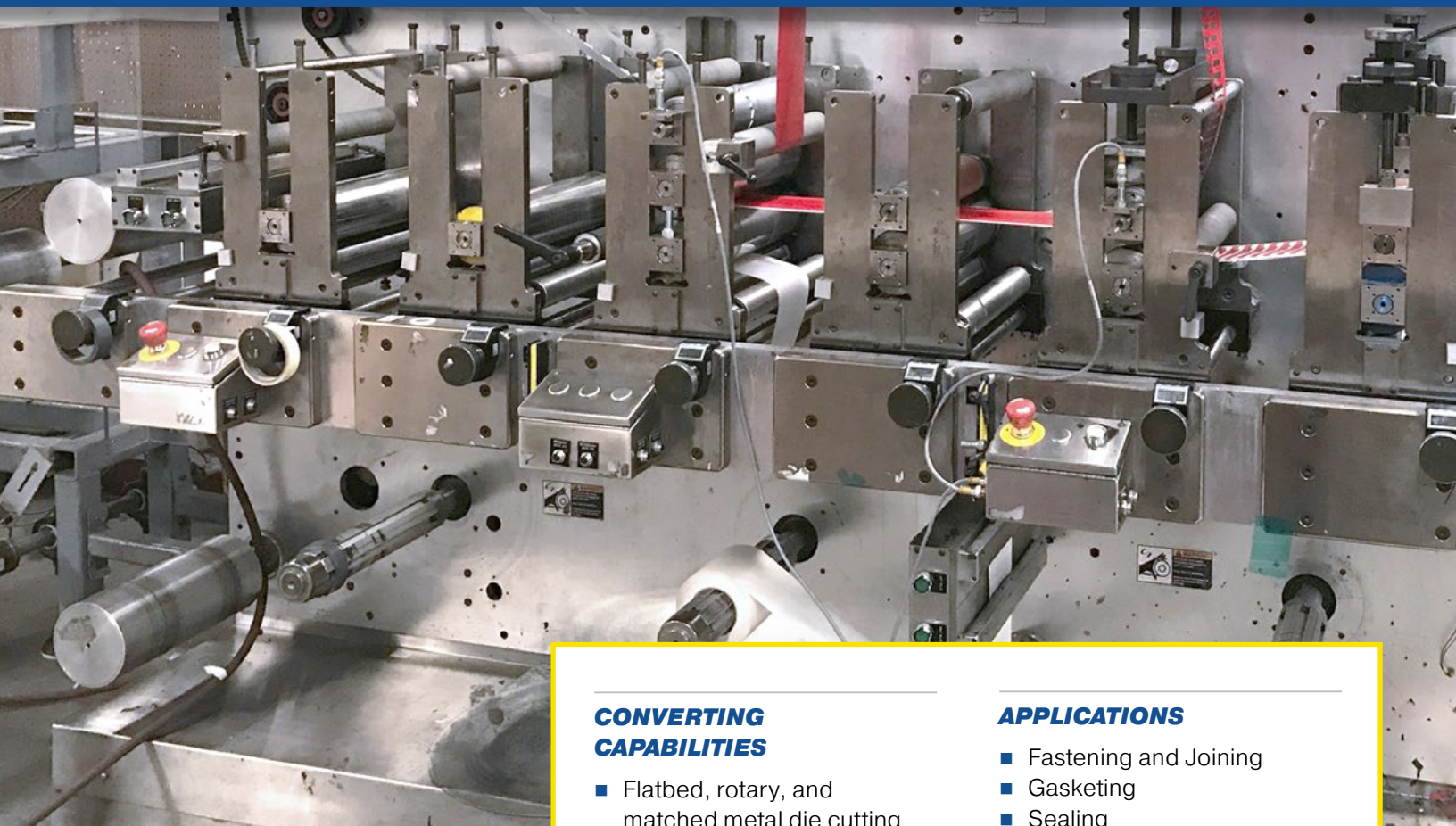
C – 2 mil Polyester Film
F – 5 mil Red Printed Polyethylene Film

Multi-purpose Acrylic: Bonds to a wide range of materials including metals, glass, and high and medium surface energy plastics and paints. Resists migration of plasticizers in vinyl substrates.

Modified Acrylic: Bonds to medium and low surface energy paints and plastics, including many powder coated paints, in addition to the substrates listed with the multi-purpose acrylic adhesive (except plasticized vinyl).

General Purpose Acrylic: Bonds to most higher surface energy substrates including metal, glass and high surface energy plastics. Low Temperature Acrylic: Bonds down to 32°F (0°C) compared to 50°F (10°C) for most acrylic adhesives. Bonds most high surface energy substrates including metal, glass and high surface energy plastics.

Low Surface Energy: High performance synthetic adhesive bonds to many lower surface energy substrates, including many plastics and powder coated paints, plus smooth general purpose substrates.

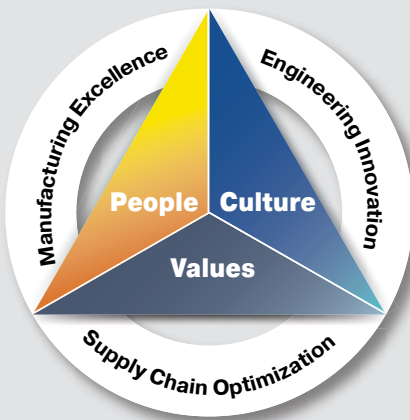


CONVERTING CAPABILITIES

- Flatbed, rotary, and matched metal die cutting
- Rapid prototyping
- Hot roll laminating
- Cold laminating
- Slitting
- Sheeting
- Embossing
- Micro-perforating
- Corona treating
- Automated assembly

APPLICATIONS

- Fastening and Joining
- Gasketing
- Sealing
- Cushioning
- Heat shielding
- Sound deadening
- Noise reduction
- Vibration dampening
- Bonding
- Masking
- Diagnostics
- Packaging
- NVH/ BSR
- EMI/RFI shielding
- Assembly adhesive patches
- More



At JBC, we convert 3M™ VHB™ Tape for manufacturers across a broad spectrum of industries. But we don't just cut parts, we add value in numerous ways—from assisting with material selection to improving part presentations and automating assembly for faster application at point of use. *Need a quick trial run? Just let us know. We do prototypes too.*

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