

3M Science.
Applied to Life.™

3M™ 100MP High Performance Acrylic Adhesive

Built for extremes.

High performance for bold design.



When performance is mission critical.

Adhesives that deliver in high temperatures and other challenging environments.

High-pressure situations call for high-performance solutions. When the stakes are this high, choose a pressure-sensitive adhesive designed for extreme conditions: 3M™ 100MP High Performance Acrylic Adhesive.

Hot or cold, chemicals or solvents, these pressure-sensitive formulations can take on the demands of your design — for performance you can count on when it matters most.



High Temperatures



Proven Durability



Chemical Resistant



Temperature Extremes



Excellent Shear Strength

3M™ 100MP High Performance Acrylic Adhesive


- ▶ Designed for use with medium and high surface energy materials like metals, polyimides and polycarbonate
- ▶ Performs when exposed to high heat, cold and cyclic conditions
- ▶ Short-term temperature tolerance up to 500°F (260°C), operating temperature tolerance up to 300°F (149°C)
- ▶ Thin profile combined with high-strength adhesive for a long-lasting bond
- ▶ Durable adhesive is chemical, UV and solvent resistant

High-Temperature Performance for Health Care



Takes the heat.

Formulated to stand up to the most demanding and critical applications, 3M™ 100MP High Performance Acrylic Adhesive offers reliable performance not only at high temperatures (500°F/260°C), but extremely cold and variable temperatures as well.

 Bond metal to metal

Durability for Specialty Vehicles



Designed for the toughest conditions.

Extreme durability means it holds up through wind, rain, sand, abrasion, heat, cold and more. Go ahead — design for the world’s most challenging environments with 3M™ 100MP High Performance Acrylic Adhesive.


 Bond metal decals to mufflers

Shear Strength for Automotive



It has staying power.

Exceptional shear strength. High peel strength. When you need much higher adhesion strength than typical pressure-sensitive adhesive systems, 3M™ 100MP High Performance Acrylic Adhesive delivers.


 Bond metal to metal

Chemical Resistance for Electronics



Stands up to stress.

Strong enough to handle chemicals, solvents and UV radiation, 3M™ 100MP High Performance Acrylic Adhesive is ideal for use in many indoor and outdoor industrial applications.

 Bond polyimide to aluminum

Durable adhesives for demanding applications.

When there's a lot on the line, trust 3M™ 100MP High Performance Acrylic Adhesive — ideal for use in highly regulated industries such as automotive, aerospace, medical and electronics.

Featured applications include:

- ▶ Aerospace scuff strips, de-icing boots, lightning protection systems
- ▶ Air bag inflator burst discs
- ▶ Disc brake shims
- ▶ High-temperature/high-pressure autoclaves
- ▶ Engine and transmission control modules
- ▶ LED taillights
- ▶ Metal bonding/cladding
- ▶ Kickplates
- ▶ High-temperature graphics/labels
- ▶ Nameplates

Bond stainless steel to aluminum

Put it to the test.

Each product in our full portfolio of high-temperature laminating adhesives combines different characteristics for specific end use and processing requirements.

3M™ 100MP High Performance Acrylic Adhesive

Adhesive Family	Product	Liner	Tape Type	Tape Thickness	Applications	Temp Range (F)
100MP	F9460PC	58# PCK	ATT	2 mils	Flex circuit rigidizing and high-temp labels	500°
	F9469PC	58# PCK	ATT	5 mils	Brake shim and heat sink attachment	
	F9473PC	58# PCK	ATT	10 mils	Metal cladding and trim, panel-to-frame attachment	

Other 3M™ High Temperature Laminating Adhesive Families

Adhesive Family	Product	Liner	Tape Type	Tape Thickness	Applications	Temp Range (F)
100	966	62# DK	ATT	2 mils	Meets NASA's definition of Low Outgassing material for use in spacecraft	450°
100HT	9077	Hi Temp 55# DK	DCTT	2 mils	Lead-free solder reflow - liner and adhesive	550°



3M™ 100MP High Performance Acrylic Adhesive

A pressure-sensitive adhesive built for critical environments.

Learn more at [3M.com/thinbonding](https://www.3m.com/thinbonding).

3M

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