

**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).



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