Science.
Applied to Life.™

3M™ VHB™ Tapes

GPH series – General Purpose High Temperature

Solving the challenges of temperature resistance, and multi material bonding.

The next generation of 3M™ VHB™ Tapes

3M's new generation of VHB tapes can replace mechanical fasteners, and help you do things you never thought possible. Our new double coated acrylic foam tape has high initial tack and conformability. Offering excellent temperature resistance and the capability to bond to a wide variety of substrates. Experience the strength and reliability of the new generation of 3M VHB Tapes.

3M Industrial Adhesives and Tapes

3M™ VHB™ Tape GPH Series

Applied to surfaces, never to part

Bonding product parts with precision, ease, reliability, and strength requires an approach that breaks the barriers of traditional assembly methods. 3M VHB Tapes open up a world of possibilities eliminating rivets, screws, bolts, and welds and improving design assembly, aesthetics and productivity. With unmatched strength, these tapes increase the overall durability and reliability of every product bond.

Experience the strength and reliability of 3M VHB Tapes.

High Temperature Resistance

The new 3M VHB GPH series bonds better to metals before high temperature powder coated paint process, helping you to increase productivity. The composition of the 3M VHB GPH family allows the tape to resist high temperatures (+230° C short term) making it ideal for use on jobs that go through a powdercoating process.

Multi Material Bonding

Designed for multi material bonding, 3M VHB GPH series can bond to a wide variety of substrates. The acrylic construction provides versatility, bonding to:

Glass, metal, some plastics, composites and sealed wood.

The advantage: *one tape for many applications*

Conformable Foam

Ease of application, the soft foam enables excellent stress relaxation and gap filling. The conformability of 3M VHB GPH allows a more complete bond contact area when bonding rigid or irregular materials. The product allows for quick liner release, easing the application process.

High Initial Tackiness

3M VHB Tapes are simple and easy to apply, saving you time and money. The strong “quick stick” technology creates high initial handling strength. The new 3M VHB GPH has increased initial tack over our existing range. The tapes bond on contact, making it easy to assemble, and can be cut to precise shapes and sizes for custom applications.

Applications, Innovations and Unlimited Design Possibilities.

The proven, high strength alternative to mechanical fasteners

3M VHB tapes offer manufacturers a distinct bonding advantage by spreading stress loads across the entire length of the joint, permanently adhering materials with a powerful invisible, aesthetically pleasing bond.

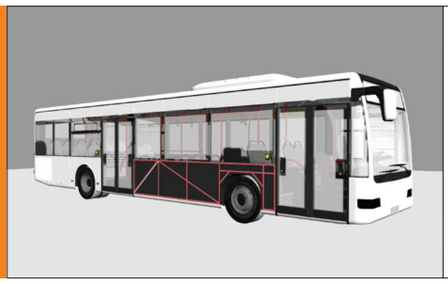
The combination of the 3M VHB GPH series' product features makes it suitable for metal working, appliances, signage and speciality vehicles.

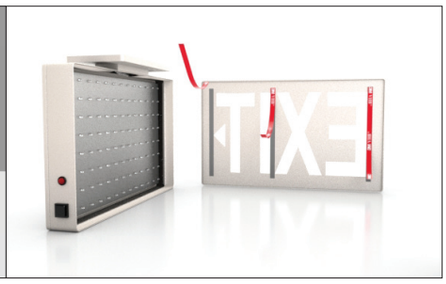
It's time to replace screws, rivets, welds and other traditional fasteners.

Applications

Panel to Frame

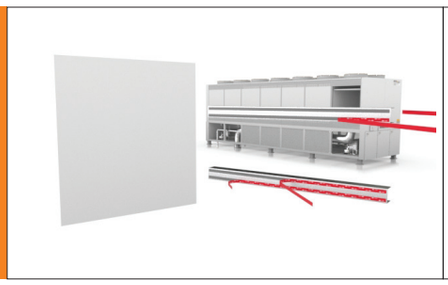
Solve dynamic force challenges while reducing weight and producing a clean, sharp look.





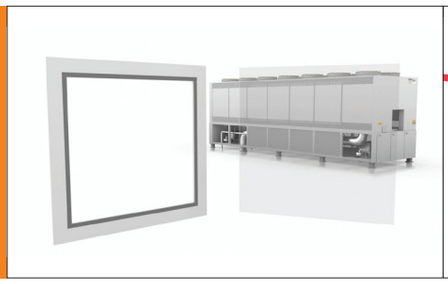
Stiffener to Panel

Experience the freedom to create unique designs with exceptional vibration and corrosion resistance.



Lens Window to Housing

Apply a secure seal to dissimilar materials, while enhancing productivity and design innovation.



Decorative Material Attachment

Advance your product performance with increased flexibility in production and design.

New Generation - New Naming

The new naming guide for our 3M™ VHB™ GPH series, now makes it even easier for you. These 4 elements help you find the right tape for your application.

1 2 3 4

3M™ VHB™ GPH-110GF

1 **Feature: General Purpose High Temperature**

2 **Thickness: 1.10mm thickness**

3 **Colour: Grey**

4 **Liner: Filmic Liner**

3M ™ VHB ™ Tapes	Products						
	Product code	Thickness (mm)	Colour	Temperature resistance °C		Relative adhesion	
				Long term (days, weeks)	Short term (minutes, hours)	Metals Glass MSE Plastics	Coated **& Painted** Surfaces
3M ™ VHB ™ Tape GPH Series, general purpose high temperature, is a grey conformable double coated acrylic foam tape with a high initial tack and a soft foam. Its excellent temperature performance enables bonding of materials in application with high operating temperatures. Further, its capability to bond to a wide variety of substrates makes it a good fit for multi material bonding.	3M VHB GPH-060GF	0.6	●	+150	+230	high	med
	3M VHB GPH-110GF	1.1	●	+150	+230	high	med
	3M VHB GPH-160GF	1.6	●	+150	+230	high	med

Expertise and Support

Our application experts are here to consult with your team to determine the correct 3M VHB tapes for your product design and production process.

Our deep expertise in bonding dissimilar materials for challenging applications is unmatched. 3M stands alone in its capabilities, facilities and experience. Leverage our expertise to your competitive advantage.

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