

3M Science.
Applied to Life.™

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

Take on the most demanding high
temperature applications with the
new 3M™ VHB™ Tape GPH series.



3M™ VHB™ Tape GPH Series

The new 3M™ VHB™ Tape GPH series is a permanent bonding solution that can replace traditional mechanical fasteners and liquid adhesives in challenging, high temperature applications. It uses a conformable, acrylic foam core to provide a good balance of strength and conformability. The 3M™ VHB™ Tape GPH series has excellent temperature resistance, making it ideal for permanent bonding where high temperature tolerance is needed, including applications that undergo a powder coat or liquid painting process.

Features

- Good adhesion to high and medium surface energy materials (metals, glass, plastics) as well as many coated or painted surfaces
- Excellent temperature resistance (short term 230°C and long term 150°C)
- Good solvent resistance
- High initial tack providing strong immediate handling strength
- Conformable foam offers good gap filling and stress relaxation

High Temperature Applications

Powder coat and liquid painting



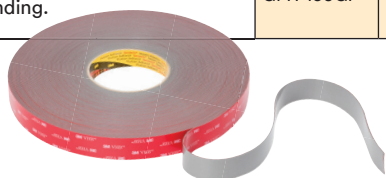
3M™ VHB™ Tape GPH's high temperature resistance allows it to be bonded prior to powder coat or liquid painting processes. This reduces the number of "touches," leading to a more streamlined manufacturing process.

Long-term temperature resistance



The new GPH series offers the speed and ease assembly found in 3M™ VHB™ Tape, even in applications that require long durations of high temperature exposure.

3M™ VHB™ Tapes	Products								
	Product code	Thickness (mm)	Colour	Temperature resistance °C		Relative adhesion		Dimensions	3M ID
				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.	GPH-060GF	0.6	●	+150	+230	high	med	12mm x 33m 18mm x 33m 24mm x 33m	AT019434615 AT019434623 AT019434631
	GPH-110GF	1.1	●	+150	+230	high	med	12mm x 33m 18mm x 33m 24mm x 33m	AT019434649 AT019434656 AT019434664
	GPH-160GF	1.6	●	+150	+230	high	med	12mm x 33m 18mm x 33m 24mm x 33m	AT019434672 AT019434680 AT019434698



For more information about 3M™ VHB™ Tape GPH, contact your local sales representative.



3M Australia Pty Ltd
Industrial Adhesives and Tapes Division
Bldg A, 1 Rivett Road
North Ryde NSW 2113

Phone 136 136
Email 3mindustrialau@mmm.com
Web www.3M.com.au

3M New Zealand Ltd
Industrial Adhesives and Tapes Division
94 Apollo Drive, Rosedale
Auckland 0632

Phone 09 477 4040
Email 3mnz@mmm.com
Web www.3M.co.nz

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