3M™ VHB™ Acrylic Foam Tape

5608N-GF, 5608N-GP, 5608N-WP

Technical Data Sheet **June 2022**

Product Description

3M™ VHB™ Acrylic Foam Tapes 5608N-GF, 5608N-GP and 5608N-WP are double-coated pressure sensitive adhesive tapes for bonding metals and other high surface energy materials. They have excellent temperature resistance and can be used to bond metal parts prior to paint processing.

Construction

Adhesive:	General Purpose Acrylic
Adhesive Carrier:	Acrylic Foam (close cell)
Density:	800 kg/m^3

Tape Number	Color	Thickness (mm)	Liner
5608N-GF	Gray	0.80	Red PE Film
5608N-GP	Gray	0.80	PEK paper
5608N-WP	White	0.80	PEK paper

Shelf Life

24 months from date of manufacturing by 3M when stored in the original carton at 21°C (70°F) & 50 % Relative Humidity

Typical Physical Properties and Performance Characteristics

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Peel Adhesion (on Stainless steel 90 degree peel , Dwell 3days)	2.3N/mm
Normal Tensile (aluminum T-block, Dwell 3days)	550kPa

Typical Physical Properties and Performance Characteristics (Continued)

Static Shear Strength weight held for 10,000 mins to stainless steel with ½ sq in (3.23 sq cm) overlap	1000g @ 22°C 500g @ 70°C
Solvent Resistance:	High
Temperature Resistance:	
Long Term: (days, weeks)	200°F (93°C)
Short Term: (minutes, hours)	300°F (149°C)

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Application Guidelines	For maximum bond strength, the surfaces should be thoroughly cleaned with a 50:50 mixture of isopropyl alcohol and water. Ideal tape application is accomplished when temperature is between 70° and 100°F (21° and 38°C), and the bond is allowed to dwell 72 hours. Initial tape application to surfaces at temperatures below 50°F (10°C) is not recommended. Consult manufacturer's directions for use and precautions when using cleaning solvents.
Important Notice	The statements and technical information contained herein are based on tests and data which 3M believes to be reliable, but the accuracy or completeness of such statements and technical information is not guaranteed. User is responsible for determining whether a specific 3M™ VHB™ Tape is fit for a particular purpose and suitable for user's method of application. Please remember that many factors can affect the use and performance of a 3M product in a particular application. The materials to be bonded with the product, the surface preparation of those materials, the product selected for use, the conditions in which the product is used, and the time and environmental conditions in which the product is expected to perform are among the many factors that can affect the use and performance of a 3M product. Given the variety of factors that can affect the use and performance of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.
Limited Warranty	3M warrants for 24 months from the date of manufacture that 3M™ VHB™ Tape will be free of defects in material and manufacture. 3M MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. This Limited Warranty does not cover damage resulting from the use or inability to use 3M™ VHB™ Tape due to misuse, workmanship in application, or application or storage not in accordance with 3M recommended procedures.
Limitation of Remedies and Liability	If the 3M product is proved to be defective, THE EXCLUSIVE REMEDY, AT 3M'S OPTION, SHALL BE TO REFUND THE PURCHASE PRICE OF OR TO REPAIR OR REPLACE THE DEFECTIVE 3M PRODUCT. 3M shall not otherwise be liable for loss or damages, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including, but not limited to, contract, negligence, warranty, or strict liability

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