

3M™ VHB™ Tape 5958FR



Flame Retardant



replacement for rivets and welds in aerospace, marine, rail, and more

When flame retardancy, durability, productivity, and appearance are design factors, 3M™ VHB™ Tape 5958FR delivers all of that and more.

- Permanently bond plastic, painted surfaces, metals, and even dissimilar materials
- Replace rivets, screws, liquid adhesives, and spot welds
- Pressure sensitive adhesive for immediate handling strength
- Self-extinguishing properties

- Expand material options to reduce weight and enhance design
- Meet multiple flame retardant standards
- Bond and seal simultaneously with durability to resist impact, weathering, and corrosion
- Clean, smooth appearance with no spot weld defects to refinish
- Damp noise and vibration for quieter performance

Application Ideas

- Overhead stow bins
- Signage • Seats
- Kick plates • Galley modules
- Plastic and metal decorative trim
- Ceiling tile stiffeners
- Mirror mounting • Air duct spuds
- Floor and wall panel attachment
- Clip attachment



3M™ VHB™ Tape 5958FR (Fire Retardant)

Product Number	Description	Tape Thickness	Adhesive Type	Temperature		Solvent Resistance	Relative Adhesion	
				Short	Long		HSE	LSE
5958FR	Black, closed-cell acrylic foam carrier, conformable. Good adhesion to many metals, plastics and painted surfaces, including powder coated paints.	40 mil) (1.0 mm)	Modified acrylic	300°F (149°C)	200°F (93°C)	High	High	Med

Relative Adhesion: HSE – High Surface Energy LSE – Low Surface Energy

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

Flame Retardant Characteristics

• FAR 25.853 (a) 12 sec- Vertical Burn Appendix F, Part 1 (a) (ii)	Pass
• Toxicity Draeger Tube, ABD0031, AITM 3.005	Pass
• NBS Smoke Density after 4 minutes Ds@4.0 (Reference ABD0031 and BSS 7238)	Pass
• ASTM F814, ASTM E662 Flaming Mode (Typical criteria is Ds@4.0 = 200 max)	137
• FMVSS302	Meet
• RoHS Directive (No polybrominated biphenyls [PBBs] or polybrominated diphenyl ethres [PBDEs] are intentionally added)	Complies

See technical data page for additional specifications.

For all your assemblies requiring fire retardancy, call for more information
1-800-362-3550
www.3M.com/vhb

Limited Product 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 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. **Important Notice:** User is responsible for determining whether the 3M product 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 these 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. **Limitation of Remedies and Liability:** If the 3M™ VHB™ Tape is proved to be defective within the warranty period stated above, THE EXCLUSIVE REMEDY, AT 3M'S OPTION, SHALL BE TO REFUND THE PURCHASE PRICE OF OR TO REPAIR OR REPLACE THE DEFECTIVE 3M™ VHB™ TAPE. 3M shall not otherwise be liable for loss or damages, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including negligence, warranty, or strict liability.



Industrial and Transportation Business Industrial Adhesives and Tapes Division

3M Center Bldg. 21-1W-10
900 Bush Ave.
St. Paul, MN 55144
1-800-362-3550
www.3M.com/vhb

3M and VHB are trademarks of 3M Company.
Please recycle. Printed in U.S.A.
Copyright © 2007. All rights reserved.
70-0711-0168-0