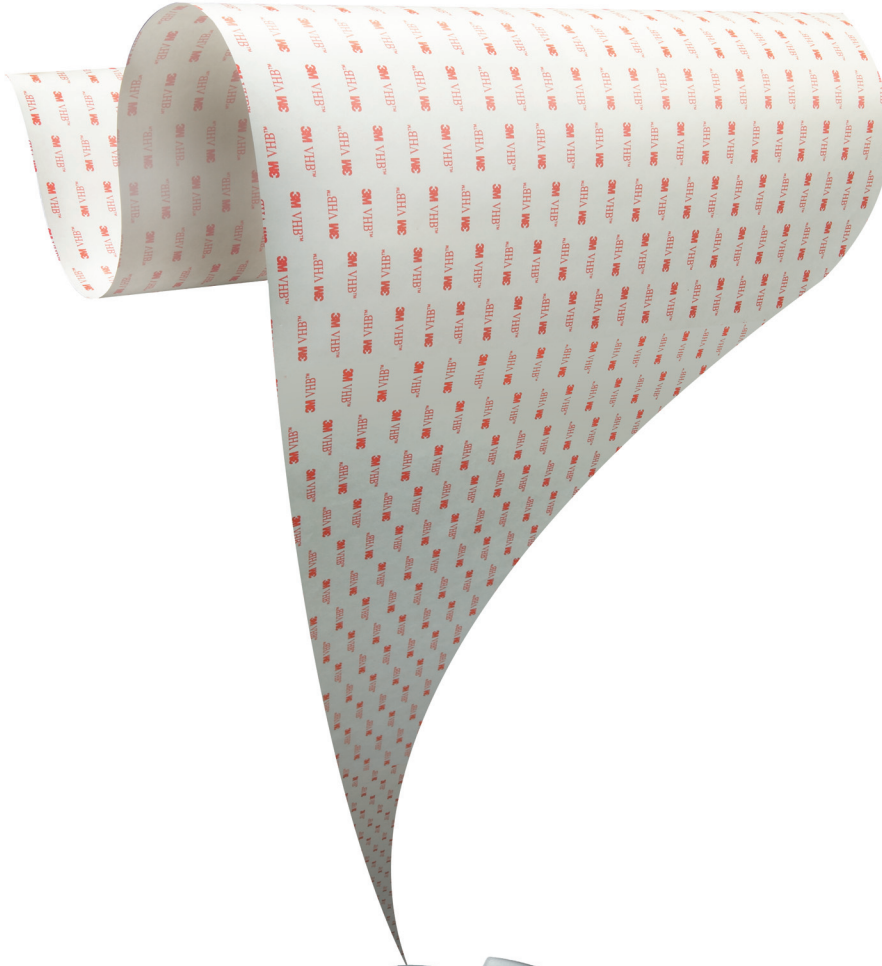




# VHB™ Tape 4914

for thin, low profile bonding

*As products in the electronic industry get smaller, so do ours.*



*Bond, seal  
conform,  
resist...*



*and damp  
vibration  
with only  
10 mils*

At only 10 mils thick, 3M™ VHB™ Tape 4914 is the thinnest double-coated foam tape in the 3M line. You get the high shear strength proven for more than 25 years in applications worldwide but with a low profile matched only by 3M™ VHB™ Transfer Tape F-9473 PC.

Combining acrylic adhesive and acrylic foam carrier, 3M™ VHB™ Tape 4914 provides the following for electronics assembly:

- Added stability of a carrier for handling, die-cutting, and application ease
- Cushioning to damp vibration and absorb impact
- Simultaneous bonding and sealing of a variety of materials on contact with the strength to replace mechanical fasteners
- Conformance to curved and irregular surfaces
- Elimination of mechanical fastener stress points for use of thinner, smaller, and lighter weight materials
- Resistance to moisture, most solvents, UV light, and temperature cycles
- Virtually invisible for neater appearance

#### **Application ideas**

- Acrylic lens attachment (at left)
- Spacer between battery cell and case
- Digital camera parts assembly
- Portable audio device assembly
- Flex circuit rigidizer attachment
- Name plate attachment and more

## 3M™ VHB™ Tape 4914



Product Number	Description	Adhesive Type	Temperature Resistance		Solvent Resistance	Relative Adhesion		Liner Type
			Min. Hrs.	Days Weeks		HSE	LSE	
3M™ VHB™ Tape 4914 (10 mil)	White, closed cell acrylic foam carrier. All purpose adhesive. UL746C.	Acrylic	300°F (149°C)	200°F (93°C)	High	High	Low	3 mil densified Kraft paper

### Adhesive Comparison

	4914	4920	F-9473PC
Peel Adhesion lb/in (N/100mm)	13 (230)	15 (260)	9 (160)
Normal Tensile lb/in <sup>2</sup> (kPa)	130 (830)	160 (1100)	100 (690)
Dynamic Shear 1b/in <sup>2</sup> (kPa)	130 (830)	100 (690)	80 (550)

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

**For Additional Information:** To request additional product information or to arrange for sales assistance, call toll free 1-800-362-3550. Address correspondence to 3M Industrial Adhesives and Tapes Division, 3M Center, Building 21-1W-10, 900 Bush Avenue, St. Paul, MN 55144. Our fax number is 651-778-4244.

**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 Business  
Industrial Adhesives and Tapes Division**

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