3M VHB[™] **Tape**5958FR

		December, 2006	
sensitive adhesive ta	pe for bonding a	le-coated 0.040 in. (1.0 mm) pressure wide range of materials, including many . The foam is conformable to increase conta	
Adhesive:		Modified Acrylic	
Adhesive Carrier:		Acrylic Foam (closed cell)	
Thickness:		0.040 in. (1.0 mm)	
Density:		50 lb./ft. ³ (800 kg/m ³)	
Liner:		Red polyethylene film	
Tape Color:		Black	
Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.			
		on and data should be considered representativ	
		on and data should be considered representativ	
or typical only Peel Adhesion:		on and data should be considered representativused for specification purposes.	
Peel Adhesion: (stainless steel) Normal Tensile:		on and data should be considered representativused for specification purposes. 20 lb./in. width (440 N/100 mm)	
Peel Adhesion: (stainless steel) Normal Tensile: (aluminum T-block) Dynamic Shear:		on and data should be considered representativused for specification purposes. 20 lb./in. width (440 N/100 mm) 100 lb./in.² (690 kPa)	
Peel Adhesion: (stainless steel) Normal Tensile: (aluminum T-block) Dynamic Shear: (stainless steel) Static Shear:	72°F (22°C) 158°F (70°C)	on and data should be considered representative used for specification purposes. 20 lb./in. width (440 N/100 mm) 100 lb./in.² (690 kPa) 100 lb./in.² (690 kPa) 1000 g/0.5 sq. in. (holds 10,000 min.) 350 g/0.5 sq. in. (holds 10,000 min.)	
Peel Adhesion: (stainless steel) Normal Tensile: (aluminum T-block) Dynamic Shear: (stainless steel) Static Shear: (stainless steel,	72°F (22°C) 158°F (70°C) 200°F (93°C)	on and data should be considered representative used for specification purposes. 20 lb./in. width (440 N/100 mm) 100 lb./in.² (690 kPa) 100 lb./in.² (690 kPa) 1000 g/0.5 sq. in. (holds 10,000 min.) 350 g/0.5 sq. in. (holds 10,000 min.) 250 g/0.5 sq. in. (holds 10,000 min.)	
	sensitive adhesive to metals, plastics and with the surfaces. Adhesive: Adhesive Carrier: Thickness: Density: Liner: Tape Color: • Developed to be formula	metals, plastics and painted substrates with the surfaces. Adhesive: Adhesive Carrier: Thickness: Density: Liner:	

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Burn Characteristics	• FAR 25.853 (a) 12 sec- Vertical Burn Appendix F, Part 1 (a) (ii)		Pass	
	 Toxicity Draeger Tube, ABD0031, AITM 3.005 NBS Smoke Density after 4 minutes Ds@4.0 (Reference ABD0031 and BSS 7238) 		Pass	
			Pass	
	• ASTM F814, ASTM E662 Flaming Mode (Typical criteria is Ds@4.0 = 200 max)		137	
Available Sizes	Standard Length:	36 yds. (32.9 m)		
	Minimum Width:	1/4 in. (6.4 mm)		
	Slitting Tolerance: ± 1/32 in. (0.8 mi			
	Core Size (ID):	3.0 in. (76.2 mm)		
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 direct			
	solvents.	ions for use and precautions w	hen using cleaning	
Storage		·		

3MTM VHBTM Tape

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Product Use

All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors 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 3MTM VHBTM 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 3MTM VHBTM 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.

ISO 9001:2000

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.



Industrial Business Industrial Adhesives and Tapes Division

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