3M Double Coated Removable Foam Tape with Adhesive 100 4658F

Technical Data				January, 2003	
Product Description	3M TM Double Coated Removable Foam Tape 4568F is a clear, double coated acrylic foam tape that removes cleanly from many surfaces. 3M TM Adhesive 100 is a firm acrylic adhesive system that offers high ultimate bond strength, good temperature resistance, solvent resistance and static shear holding power.				
Construction	Product		3M Tape 4658F		
	Adhesive Type:		100		
	Foam Type:		Acrylic		
	Thickness:	Nominal	1/32 in., 0.031 in. (.	08 mm)	
		Tolerance	± 10%		
	Color: Clear				
	Release Liner:		0.003 in. (.08 mm) Clear Polyester Film		
	Approximate Densit	ty: Ib./ft ³	60	•	
	Foam Only	(kg/m ³)	(960)		
Typical Physical Properties	Note: The following technical information and data should be considered representativ or typical only and should not be used for specification purposes.				
	Peel Adhesion: To Stainless Steel Room Temperature 90° Angle Peel 12 in./minute Jaw Speed (308 mm/min.) 72 hour Dwell ASTM D-3330		15 lb./in. width (263 N/100 mm)		
	Static Shear: 1/2 in. ² (3.23 cm ²) ove Will hold listed gram v for 10,000 minutes. As	veight	72°F (22°C) 120°F (49°C) 150°F (66°C)	1000 g. 750 g. 500 g.	
	Temperature Resistance: Short Term (Minutes, Hours)		212°F (100°C)		
	Long Term (Days, Weeks)		175°F (80°C)		
	U.V. Resistance:		Excellent resistance to direct exposure to sunlight or othe sources of ultraviolet (U.V.) light.		
	Solvent Resistance:		No apparent degradation when exposed to splash testing of most hydrocarbon solvents.		
	Shelf Life:		24 months from date of manufacture when stored in original cartons at 70°F (21°C) and 50% relative humidity		
Available Sizes	*Standard Stock Sizes:		1/2 in. x 27 yds. (12 mm x 25 m) 3/4 in. x 27 yds. (19 mm x 25 m) 1 in. x 27 yds. (25 mm x 25 m)		
	Slitting Tolerance:		± 1/32 in., ± 0.031 in. (± 0.8 mm)		
	Maximum Width:		46 ¹ /2 in. (1.18 m)		
	Maximum Roll Length:		175 yds. (160 m)		
			ape sizes and shipping quantities sho	,	

3M sales representative or 3M's customer service at 1-800-362-3550.

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Application Techniques	 Bond strength is dependent upon the amount Firm application pressure helps develop bette To obtain optimum adhesion, the bonding sur Typical surface cleaning solvents are isopropy heptane. Note: Carefully read and follow mar when using solvents. Ideal tape application temperature is 70°F to surfaces at temperatures below 50°F (10°C) is become too firm to adhere readily. However, or is generally satisfactory. 	r adhesive contact faces must be clea /l alcohol (rubbing nufacturer's precau 100°F (21°C to 38 s not recommende	and improve bond strength. an, dry and well unified. g alcohol) and water or ations and directions for use °C). Initial tape application to d because the adhesive may		
Design Considerations	 As a general rule, four square inches of tape should be used for each pound of weight to be supported in static load. More or less tape may be required depending upon the particular application. User evaluation is, therefore, required to determine optimal tape usage. Care should be used when bonding to surfaces with very low internal strength such as painted plaster board, fabric or cloth, wallpaper, blown vinyl, etc. since delamination of that surface may occur. Care should also be taken with wood veneers and highly polished wood as very glossy surfaces may leave an image when the tape is removed. 				
Removal Techniques		faces, peel back e clean removal.	To remove tape from substrate, pull back corner and peel off quickly.		
Application Ideas		ng Electronic Acces ensers eplates	 Exhibitions Air Fresheners Picture Frame Tabs 		
For Additional Information	To request additional product information or to arrange for sales assistance, call toll free 1-800-362-3550 or visit www.3M.com/adhesives. Address correspondence to: 3M Industrial Adhesives and Tapes Division, Building 21-1W-10, 900 Bush Avenue, St. Paul, MN 55106. Our fax number is 651-733-9175. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-787-750-3000. In Mexico, phone: 52-70-04-00.				
Important Notice	3M MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. 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 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.				
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.				
ЗМ	This Industrial Adhesives and Tapes Division product was manufac		system registered to ISO 9002 standards.		

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