



200MP Micro-channel Laminating Adhesives.

467MC, 468MC, 467MCF and 468MCF

Preliminary Datasheet

October 2011

Product Description

Note: The data presented in this preliminary data sheet are best estimates for the current product construction being evaluated.

3M™ 467MC, 468MC, 467MCF and 468MCF feature a 200MP laminating adhesive on a 3M proprietary liner, which creates micro-channels in the adhesive surface (back side surface of adhesive). The crosshatched pattern creates a continuous and permanent network of micro-channels in the back side of the adhesive, allowing air to escape from between the adhesive surface and the substrate. This helps to facilitate bubble free laminations of graphics to substrates.

3M™ Adhesive 200MP is a popular choice for graphic attachment and nameplate applications because it has excellent quality, consistency and durability. In addition, as a result of 3M's innovative, proprietary process, 3M adhesive 200MP also offers the following excellent performance characteristics.

- Clarity (virtually free of vapor inclusions that are commonly found in adhesives produced by the traditional solvent coating technique).
- Excellent high temperature performance as well as excellent shear strength (that minimizes edge lifting and slippage of parts).
- Excellent resistance to harsh environments; this adhesive can withstand splashes of organic solvents, weak acids and bases and salt water, cleaning solutions, germicides, disinfectants, oils, etc. In addition, it performs well after exposure to humidity and hot/cold cycles.
- Provides some initial repositionability when bonding to plastic parts (not metal) which allows graphic parts to be lifted and repositioned if initial alignment is incorrect.
- Adhesive family is provided with a polyester and PCK liner configurations to help ensure excellent process flexibility.

Product Constructions

Product	Adhesive Thickness	Liner
467MC	2 mil 200MP (50.8 microns)	58# PCK
468MC	5 mil 200MP (127 microns)	58# PCK
467MCF	5 mil 200MP (127 microns)	4 mil (102 microns) PET
468MCF	2 mil 200MP (50.8 microns)	4 mil (102 microns) PET



200MP Micro-channel Laminating Adhesives.

467MC, 468MC, 467MCF and 468MCF

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**

Adhesion to Stainless

Per ASTM D-3330 except 2 mil aluminum foil was used as a backing and the test used a 90 degree peel angle.

Product	Initial adhesion		Adhesion after	
	15 min room temp dwell		72 hrs at room temp	
	Oz/in	N/100mm	Oz/in	N/100mm
467MC	60	66	103	113
468MC	85	93	149	163
467MCF	55	60	80	88
468MCF	69	76	147	161

Static Shear

ASTM D3654 - 1" x 1" sample area - aluminum foil to stainless steel

Temperature F (C)	Static Load (gms.)	Time to Shear Failure (minutes)
70 (21)	2000	10,000+
200 (93)	1000	10,000+
350F (177)	500	10,000+



200MP Micro-channel Laminating Adhesives.

467MC, 468MC, 467MCF and 468MCF

For Additional Information To request additional product information or to arrange for sales assistance, call 3M Technical Service at 651 736-0602. Address correspondence to 3M Industrial Adhesives and Tapes Division, 3M Center, Building 230 –2G-14, St. Paul, MN 55144-1000. Our fax number is 651-736-3514

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 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.

No Warranty 3M MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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 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.



Industrial Adhesives and Tapes Division

3M Center, Building 220-5E-06
St. Paul, MN 55144-1000
www.3M.com/adhesives

Printed in U.S.A.