

April, 2014

3M™ High Performance Acrylic Adhesive 468MCF

Product Description

3M™ 468MCF features 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.



Product Features

- 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.

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Technical Information Note

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Typical Physical Properties

Property	Values	
Adhesive Type	200MP	
Adhesive Thickness	0.127 mm	5 mil
Liner	PET	
Liner Thickness	0.102 mm	4 mil

Typical Performance Characteristics

90° Peel Adhesion		Dwell/Cure Time
7.6 N/cm	69 oz/in	15 min @ Room Temperature
16.1 N/cm	147 oz/in	72 hr @ Room Temperature

Property: 90° Peel Adhesion
Method: ASTM D3330
Backing: Aluminum Foil

Static Shear	Test Condition
10,000+ min	2000 g @ Room Temperature
10,000+ min	1000 g @ 93°C (200°F)
10,000+ min	500 g @ 177°C (350°F)

Property: Static Shear
Method: ASTM D3654
Substrate: Stainless Steel
Backing: Aluminum Foil
notes: 1 in x 1 in sample area, Test terminated after 10,000 minutes

Storage and Shelf Life

It is suggested that products are stored at room temperature conditions of 70°F (21°C) and 50% relative humidity. If stored properly, product retains its performance and properties for 24 months from date of manufacture.

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Information

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Trademarks

3M is a trademark of 3M Company.

References

Safety Data Sheet (SDS)

https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=468MCF

Family Group

	467MC	468MC	467MCF	468MCF
Adhesive Type	200MP	200MP	200MP	200MP
Adhesive Thickness (mm)	0.05	0.127	0.05	0.127
Liner	58# PCK	58# PCK	PET	PET
Liner Thickness (mm)			0.102	0.102

ISO Statement

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

Bottom Matter Images

[Image 4] [Image 5]



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