



Cytec Engineered Materials Inc.  
1300 Revolution Street  
Havre de Grace, MD 21078  
Telephone: 410-938-1900  
FAX: 410-938-8195

Sold to:  
COUCH SALES LLC

Ship to:  
COUCH SALES LLC

147 ISLAND DRIVE  
HILTON HEAD ISLAND, SC 29926  
UNITED STATES OF AMERICA

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HILTON HEAD ISLAND, SC, 29926  
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Attention: QUALITY DEPARTMENT

Date: 14-Jun-2020

### CERTIFICATION

We hereby certify, the product identified below was manufactured, inspected, and released to engineering and contractual requirements indicated below, unless otherwise noted, under an ISO9000/AS9100 compliant system at the time of shipment. Product was manufactured in the U.S.A.

Cytec Eng Matl Item: 70430500  
Cytec Eng SAP Matl Item: 160221  
Item Description: EMM 1000 ADHESIVE FILM .06 PSF, 34"  
CEM MSDS No.: 0061710  
Lot No.: 6439  
Sales Order & Line No.: 703070482/10-0  
Packing Slip No.: 70307048211  
Customer PO & Line: CS-20100  
Date of Manufacture: 26-May-2020  
Date Shipped: See Puck List  
QTY Shipped: 750.0000 SF  
Recommended Storage: 6 Mos. at 85 Deg.F Max. from DOS  
Specification(s): A50TF175, Revision S2, Class A  
MMM-A-132, Revision B Notice 2, Type I, Class I, Form F, Group 4  
Picked Rolls/Sublots: 6439-0004  
Additional Notes: TEST DATA ATTACHED

This certification has been reviewed and approved electronically by Melanie Kindt, Quality Representative.

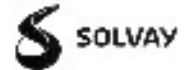
Melanie Kindt

Quality Representative

Certification Number: HIG\_ORDER-180180

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Cytac Eng Matl Item.: 70430500  
 Item Description: FM® 1000 ADHESIVE FILM .06 PSI, 34"  
 Lot No.: 6439  
 Cytac Eng SAP Matl Item.: 160221  
 Customer PO & Line: CS-20100  
 --- FM1000 ELASTOMERIC ADHESIVE (.06)  
 Sales Order & Line No.: 703070482/10-0  
 Customer Name: COUCH SALES LLC  
 QTY Shipped: 750.0000 SF



Specification: A50TF175, Revision S2, Class A

| Sublot:                                     | Result  | Units   | Minimum | Maximum |
|---|---|---------|---------|---------|
| 4305-MTL                                    |   |         |         |         |
| <b>LAP SHEAR – 180°F / 82°C Test Temp</b>   |   |         |         |         |
|   | SHEAR STRN-IND 3463, 3839, 3249, 3012, 2995, 3884 | psi     | 2,750   |         |
|   | SHEAR STRN-AVG 3407                               | psi     | 2,750   |         |
| <b>LAP SHEAR – 73°F / 23°C Test Temp</b>    |   |         |         |         |
|   | SHEAR STRN-IND 6353, 6195, 6080, 5987, 6202, 6180 | psi     | 5,500   |         |
|   | SHEAR STRN-AVG 6166                               | psi     | 5,500   |         |
| <b>AREAL WEIGHT – 73°F / 23°C Test Temp</b> |   |         |         |         |
|   | AREAL WT-IND 0.0603, 0.0602, 0.0619               | lbs/ft² | 0.0550  | 0.0650  |
|   | AREAL WT-AVG 0.0608                               | lbs/ft² | 0.0550  | 0.0650  |
|   | AREAL WT-IND 0.0606, 0.0608, 0.0618               | lbs/ft² | 0.0550  | 0.0650  |
|   | AREAL WT-AVG 0.0611                               | lbs/ft² | 0.0550  | 0.0650  |
|   | AREAL WT-IND 0.0604, 0.0601, 0.0589               | lbs/ft² | 0.0550  | 0.0650  |
|   | AREAL WT-AVG 0.0598                               | lbs/ft² | 0.0550  | 0.0650  |

Cytec Eng Matl Item.: 70430500  
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 Customer PO & Line: CS-20100  
 --- FM1000 ELASTOMERIC ADHESIVE (.06)  
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 Customer Name: COUCH SALES LLC  
 QTY Shipped: 750.0000 SF



Specification: MMM-A-152, Revision B Notice 2, Type I, Class I, Form I, Group 4

| Sublot:                                     | Result  | Units               | Minimum | Maximum |
|---|---|---------------------|---------|---------|
| 4305-MTL                                    |   |                     |         |         |
| <b>LAP SHEAR – 180°F / 82°C Test Temp</b>   |   |                     |         |         |
|   | SHEAR STRN-IND 3463, 3839, 3249, 3012, 2995, 3884 | psi                 | 2,750   |         |
|   | SHEAR STRN-AVG 3407                               | psi                 | 2,750   |         |
| <b>LAP SHEAR – 73°F / 23°C Test Temp</b>    |   |                     |         |         |
|   | SHEAR STRN-IND 6353, 6195, 6080, 5987, 6202, 6180 | psi                 | 5,500   |         |
|   | SHEAR STRN-AVG 6166                               | psi                 | 5,500   |         |
| <b>AREAL WEIGHT – 73°F / 23°C Test Temp</b> |   |                     |         |         |
|   | AREAL WT-IND 0.0603, 0.0602, 0.0619               | lbs/ft <sup>2</sup> | 0.0550  | 0.0650  |
|   | AREAL WT-AVG 0.0608                               | lbs/ft <sup>2</sup> | 0.0550  | 0.0650  |
|   | AREAL WT-IND 0.0606, 0.0608, 0.0618               | lbs/ft <sup>2</sup> | 0.0550  | 0.0650  |
|   | AREAL WT-AVG 0.0611                               | lbs/ft <sup>2</sup> | 0.0550  | 0.0650  |
|   | AREAL WT-IND 0.0604, 0.0601, 0.0589               | lbs/ft <sup>2</sup> | 0.0550  | 0.0650  |
|   | AREAL WT-AVG 0.0598                               | lbs/ft <sup>2</sup> | 0.0550  | 0.0650  |