

Cytec Engineered Materials Inc.  
 1300 Revolution Street  
 Havre de Grace, MD 21078  
 Telephone 410-939-1910  
 FAX 410-939-8195

Ship to:  
 COUCH SALES LLC

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 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: 02-Mar-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.

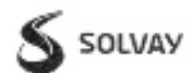
Cytec Eng Matl Item: 70430500  
 Cytec Eng SAP Matl Item: 160221  
 Item Description: FM® 1000 ADHESIVE FILM .06 PSF, 34"  
 CEM MSDS No.: 0061710  
 Lot No.: 6431  
 Sales Order & Line No.: 703069732/10-0  
 Packing Slip No.: 70306973211  
 Customer PO & Line: CS-18028  
 Date of Manufacture: 10-Feb-2020  
 Date Shipped: See Pack List  
 QTY Shipped: 3750.0000 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 1, Form F, Group 4  
 Picked Rolls/Sublots: 6431-0004 6431-0005 6431-0006 6431-0007 6431-0008  
 Additional Notes: TEST DATA ATTACHED

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

Melanie Kindt

Quality Representative

Cytac Eng Matl Item.: 70430500  
 Item Description: FM@ 1000 ADHESIVE FILM .06 PSF, 34"  
 Lot No.: 6431  
 Cytac Eng SAP Matl Item.: 160221  
 Customer PO & Line: CS-18028  
 --- FM1000 ELASTOMERIC ADHESIVE (.06)  
 Sales Order & Line No.: 703069732/10-0  
 Customer Name: COUCH SALES LLC  
 QTY Shipped: 3750.0000 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 3278, 3260, 3440, 3186, 3521, 3809	psi	2,750	
	SHEAR STRN-AVG 3416	psi	2,750	
<b>LAP SHEAR -- 73°F / 23°C Test Temp</b>				
	SHEAR STRN-IND 6628, 6354, 6288, 6703, 5898, 6458	psi	5,500	
	SHEAR STRN-AVG 6388	psi	5,500	
<b>AREAL WEIGHT -- 73°F / 23°C Test Temp</b>				
	AREAL WT-IND 0.0620, 0.0620, 0.0620	lbs/ft <sup>2</sup>	0.0550	0.0650
	AREAL WT-AVG 0.0620	lbs/ft <sup>2</sup>	0.0550	0.0650
	AREAL WT-IND 0.0630, 0.0600, 0.0620	lbs/ft <sup>2</sup>	0.0550	0.0650
	AREAL WT-AVG 0.0617	lbs/ft <sup>2</sup>	0.0550	0.0650
	AREAL WT-IND 0.0630, 0.0620, 0.0600	lbs/ft <sup>2</sup>	0.0550	0.0650
	AREAL WT-AVG 0.0617	lbs/ft <sup>2</sup>	0.0550	0.0650

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Specification: MMM-A-132, Revision B Notice 2, Type I, Class 1, Form F, Group 4

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