

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

Sold to:
COUCH SALES LLC

Ship to:
COUCH SALES LLC

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

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

Attention: QUALITY DEPARTMENT

Date: 03-Oct-2019

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.: 6410
Sales Order & Line No.: 703067899/20-0
Packing Slip No.: 70306789921
Customer PO & Line: CS-18026
Date of Manufacture: 15-Jul-2019
Date Shipped: See Pack List
QTY Shipped: 1500.0000 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: 6410-0002 6410-0003
Additional Notes: TEST DATA ATTACHED

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

Melanie Kindt

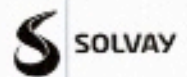
Quality Representative



Cytec Eng Matl Item.: 70430500
 Item Description: FM® 1000 ADHESIVE FILM .06 PSF, 34"
 Lot No.: 6410
 Cytec Eng SAP Matl Item.: 160221
 Customer PO & Line: CS-18026
 --- FM1000 ELASTOMERIC ADHESIVE (.06)
 Sales Order & Line No.: 703067899/20-0
 Customer Name: COUCH SALES LLC
 QTY Shipped: 1500.0000 SF

Specification: A50TF175, Revision S2, Class A

Sublot:	Result	Units	Minimum	Maximum
4305-MTL				
LAP SHEAR -- 180°F / 82°C Test Temp				
	SHEAR STRN-IND 4070, 4465, 3627, 3703, 3165, 4178	psi	2,750	
	SHEAR STRN-AVG 3868	psi	2,750	
LAP SHEAR -- 73°F / 23°C Test Temp				
	SHEAR STRN-IND 6498, 6434, 6345, 6084, 6220, 6057	psi	5,500	
	SHEAR STRN-AVG 6273	psi	5,500	
AREAL WEIGHT -- 73°F / 23°C Test Temp				
	AREAL WT-IND 0.0612, 0.0613, 0.0629	lbs/ft ²	0.0550	0.0650
	AREAL WT-AVG 0.0618	lbs/ft ²	0.0550	0.0650
	AREAL WT-IND 0.0620, 0.0597, 0.0605	lbs/ft ²	0.0550	0.0650
	AREAL WT-AVG 0.0607	lbs/ft ²	0.0550	0.0650
	AREAL WT-IND 0.0648, 0.0624, 0.0631	lbs/ft ²	0.0550	0.0650
	AREAL WT-AVG 0.0634	lbs/ft ²	0.0550	0.0650



Cytac Eng Matl Item.: 70430500
 Item Description: FM® 1000 ADHESIVE FILM .06 PSF, 34"
 Lot No.: 6410
 Cytac Eng SAP Matl Item.: 160221
 Customer PO & Line: CS-18026
 --- FM1000 ELASTOMERIC ADHESIVE (.06)
 Sales Order & Line No.: 703067899/20-0
 Customer Name: COUCH SALES LLC
 QTY Shipped: 1500.0000 SF

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

Sublot:	Result	Units	Minimum	Maximum
4305-MTL				
LAP SHEAR -- 180°F / 82°C Test Temp				
	SHEAR STRN-IND 4070, 4465, 3627, 3703, 3165, 4178	psi	2,750	
	SHEAR STRN-AVG 3868	psi	2,750	
LAP SHEAR -- 73°F / 23°C Test Temp				
	SHEAR STRN-IND 6498, 6434, 6345, 6084, 6220, 6057	psi	5,500	
	SHEAR STRN-AVG 6273	psi	5,500	
AREAL WEIGHT -- 73°F / 23°C Test Temp				
	AREAL WT-IND 0.0612, 0.0613, 0.0629	lbs/ft ²	0.0550	0.0650
	AREAL WT-AVG 0.0618	lbs/ft ²	0.0550	0.0650
	AREAL WT-IND 0.0620, 0.0597, 0.0605	lbs/ft ²	0.0550	0.0650
	AREAL WT-AVG 0.0607	lbs/ft ²	0.0550	0.0650
	AREAL WT-IND 0.0648, 0.0624, 0.0631	lbs/ft ²	0.0550	0.0650
	AREAL WT-AVG 0.0634	lbs/ft ²	0.0550	0.0650