

## CleanTape™ LOW VOC Transfer Adhesive

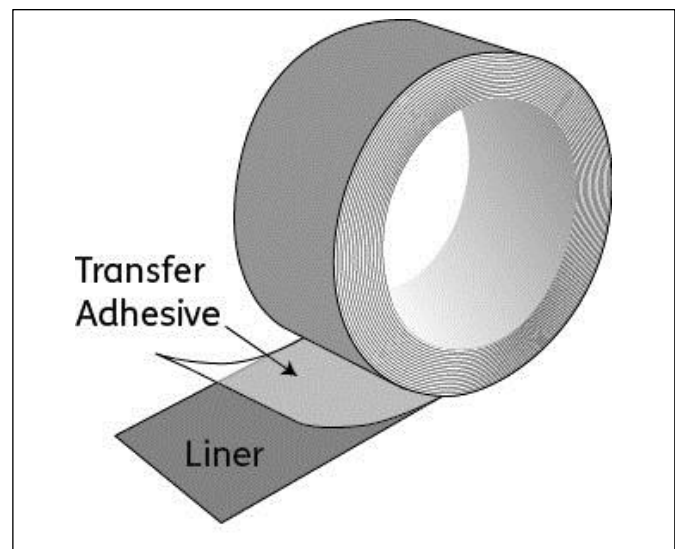
Version: 2  
Date: 5/2019  
Approved by: JNP

### Product Description

CF4084 is a 4-mil thick film of clean, aggressive acrylic pressure sensitive adhesive. The adhesive is protected by either a two-side silicone coated 80# natural polycoated Kraft liner or a 72# White polycoated liner. This product is designed for applications that benefit from a clean, chemically inert adhesive tape.

### Product Construction

- **Carrier:** NA
- **Adhesive:** 4.0 mils LV820 LOW VOC Acrylic
- **Liner:** 80# Natural PCK or 72# White PCK
- **Web Width:** 54" or 60"



### Features

- Low VOC – JIS A-1901
- Low FOG - VDA278, SAE J1756
- ISO 18916 Approved
- Aggressive acrylic adhesive
- Good shear properties
- Moisture stable PCK liners

### Benefits

- Acid free, PH Neutral
- Non-outgassing and non-migratory
- Conformable
- Excellent adhesion to a wide variety of surfaces.
- Chemical & UV resistant
- Excellent handling and die-cutting.
- Non-corrosive & non-oxidizing

### Applications

- Insulation and Shielding
- Wire harnessing
- Foam bonding applications
- Interior applications that require low VOC and low FOG characteristics
- Flexible Printed Circuits
- Printed Circuit Boards
- Archiving, photo mounting

<b>CF4084 Physical Properties</b>			
<b>Thickness</b>	<b>Mils CF4084-80</b>	<b>Mils CF4084-72</b>	
Adhesive	4.0	4.0	
Liner	6.1	5.8	
Total Thickness	10.1	9.80	
<b>Performance Test</b>	<b>Test Method</b>	<b>Typical Values</b>	
<b>Loop tack</b>	<b>PSTC-16-Method A</b>	<b>Lbs./in.</b>	<b>Oz/in.</b>
Stainless Steel	Backed with 2 mil PET	5.0	80
<b>Peel Adhesion - 180° 2 mil PET Backed</b>	<b>PSTC-101-Method A</b>	<b>Lbs./in.</b>	<b>Oz/in.</b>
30 minute dwell	Stainless Steel	8.5	136
24 hour dwell	Stainless Steel	9.9	158
30 minute dwell	ABS	8.1	130
24 hour dwell	ABS	7.9	126
30 minute dwell	Polycarbonate	8.8	141
24 hour dwell	Polycarbonate	8.2	131
30 minute dwell	HDPE	2.9	46
24 hour dwell	HDPE	3.2	51
<b>Peel Adhesion – 180° 2 mil dead soft aluminum foil</b>	<b>PSTC-101-Method A</b>	<b>Lbs./in.</b>	<b>Oz/in.</b>
30 minute dwell	Stainless Steel	9.5	152
30 minute dwell	HDPE	3.0	48
<b>Shear</b>	<b>PSTC-107-Method A</b>	<b>Hours to Fail</b>	
1 kg weight	72°F	85+	

Values given are typical and not for use in specifications

**IMPORTANT NOTICE:** The information given and recommendations made herein are based on our research and are believed to be accurate. In every case, user shall determine before using any product in full scale production, whether such product is suitable for their particular purpose under their own operating conditions. User assumes all risk and liability whatsoever in connection with their use of any product. The products discussed herein are sold without any warranty as to merchantability or any other warranty, expressed or implied. No representative of ours has any authority to waive or change the foregoing provisions unless in a specific agreement signed by the officers of seller and manufacturer. Ultimately, sellers and manufacturers only obligation shall be to replace or credit such quantity of the product proved to be defective at its discretion.

™ Trademark of Morgan Adhesives Company LLC  
 ® Registered Trademark of Morgan Adhesives Company LLC  
 www.Mactac.com



Foam Bonding Performance		
Substrate	Application Method	Result
EPDM	Room Temp with 50% compression	Foam Destruction
Nitrile PVC	Room Temp with 50% compression	Foam Destruction
EVA Blend	Room Temp with 50% compression	Foam Destruction
Polyether polyurethane Foam	Room Temp with 50% compression	Foam Destruction
NBR-PVC	Room Temp with 50% compression	Foam Destruction

VOC Analysis Method: JIS-A 1801		
Substance	Values not to exceed [ $\mu\text{g}/\text{m}^3$ ]	CF4084-80
Formaldehyde	100	0.4
Acetaldehyde	48	1.2
Toluene	260	*
Xylenes	870	1.4
p-Dichlorobenzene	240	*
Ethylbenzene	3800	*
Styrene	220	*
Chlorpyrifos	1	*
Di-2-ethylhexyl phthalate	120	*
Diazinon	.29	*
Nonanal	41	*
Fenobucarb	33	*

\* Below Detection Limits

Fog Analysis Method: VDA278	Specification Requirements [ $\mu\text{g}/\text{g}$ ]	CF4084-80
FOG	< 250	30

Fog Analysis Method: SAE J1756	Specification Requirements Gravimetric Fog, mg	CF4084-80
FOG		0.11

**IMPORTANT NOTICE:** The information given and recommendations made herein are based on our research and are believed to be accurate. In every case, user shall determine before using any product in full scale production, whether such product is suitable for their particular purpose under their own operating conditions. User assumes all risk and liability whatsoever in connection with their use of any product. The products discussed herein are sold without any warranty as to merchantability or any other warranty, expressed or implied. No representative of ours has any authority to waive or change the foregoing provisions unless in a specific agreement signed by the officers of seller and manufacturer. Ultimately, sellers and manufacturers only obligation shall be to replace or credit such quantity of the product proved to be defective at its discretion.

™ Trademark of Morgan Adhesives Company LLC  
 ® Registered Trademark of Morgan Adhesives Company LLC  
 www.Mactac.com



**SERVICE TEMPERATURE**

Application: Above 50°F (10°C) for best performance  
End Use: -40°F to 300°F (-40°C to 121°C) depending on laminate construction and end use application

**APPLICATION DETAILS**

For best performance surfaces must be clean, dry and free of any oil, grease or other contaminant.

**SHELF LIFE**

Two year shelf life when stored at 75°F. (24°C.) and 50% relative humidity or less. It is recommended that the product be stored in its original package until ready to use. **CALL 1-800-328-2619 for additional product information**

**IMPORTANT NOTICE:** The information given and recommendations made herein are based on our research and are believed to be accurate. In every case, user shall determine before using any product in full scale production, whether such product is suitable for their particular purpose under their own operating conditions. User assumes all risk and liability whatsoever in connection with their use of any product. The products discussed herein are sold without any warranty as to merchantability or any other warranty, expressed or implied. No representative of ours has any authority to waive or change the foregoing provisions unless in a specific agreement signed by the officers of seller and manufacturer. Ultimately, sellers and manufacturers only obligation shall be to replace or credit such quantity of the product proved to be defective at its discretion.

™ Trademark of Morgan Adhesives Company LLC  
® Registered Trademark of Morgan Adhesives Company LLC  
[www.Mactac.com](http://www.Mactac.com)

