

CleanTape™ LOW VOC Transfer Adhesive

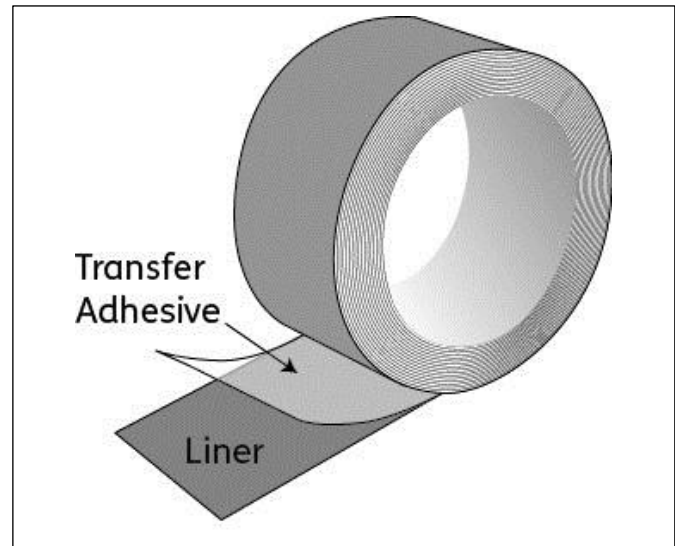
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Approved by: JNP

Product Description

CF4083 is a 3-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:** 3.0 mils LV820 LOW VOC Acrylic
- **Liner:** 80# Natural PCK or 72# White PCK
- **Web Width:** 54"



Features

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

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

CF4083 Physical Properties			
Thickness	Mils CF4083-80	Mils CF4083-72	
Adhesive	3.0	3.0	
Liner	6.1	5.8	
Total Thickness	9.1	8.8	
Performance Test	Test Method	Typical Values	
Loop tack	PSTC-16-Method A	Lbs./in.	Oz/in.
Stainless Steel	Backed with 2 mil PET	5.0	80
Peel Adhesion - 180° 2 mil PET Backed	PSTC-101-Method A	Lbs./in.	Oz/in.
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
Peel Adhesion - 180° 2 mil dead soft aluminum foil	PSTC-101-Method A	Lbs./in.	Oz/in.
30 minute dwell	Stainless Steel	9.5	152
30 minute dwell	HDPE	3.0	48
Shear	PSTC-107-Method A	Hours to Fail	
1 kg weight	72°F	85+	

Values given are typical and not for use in specifications

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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 [$\mu\text{g}/\text{m}^3$]	CF4083
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 [$\mu\text{g}/\text{g}$]	CF4083
FOG	< 250	30

Fog Analysis Method: SAE J1756	Specification Requirements Gravimetric Fog, mg	CF4083
FOG		0.11

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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**

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