

CF4094-72 Double Coated Tape

CleanBond™ LOW VOC Adhesive

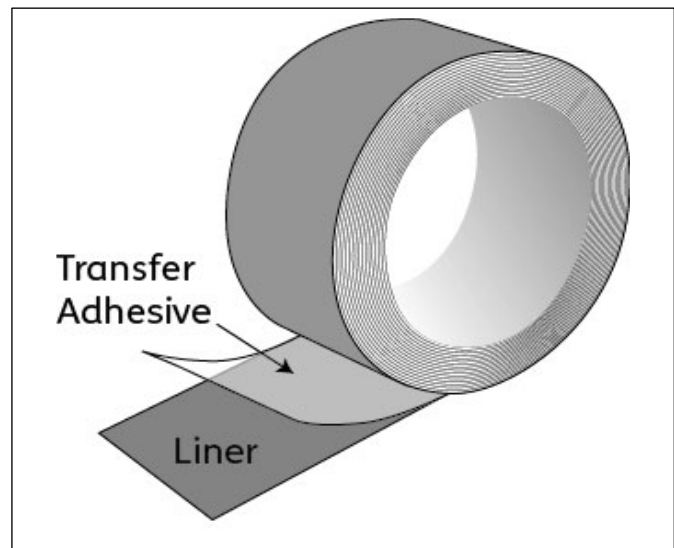
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Product Description

CF4094-72 is a 4 mil thick film of clean non-VOC, low-outgassing and low-migratory aggressive acrylic pressure sensitive adhesive. The adhesive is protected by a two-side silicone coated 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 LV840 LOW VOC Acrylic
- **Liner:** 72# White PCK
- **Web Width:** 54"



Features

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

Benefits

- Non-outgassing and non-migratory
- High temperature resistance
- Adhesion to a wide variety of surfaces.
- Chemical & UV resistant
- Excellent handling and die-cutting.
- Non-corrosive & non-oxidizing

Applications

- Flexible Printed Circuits
- Printed Circuit Boards
- Insulation and Shielding
- Wire harnessing
- Thermal Interface Materials
- Foam bonding applications
- Interior applications that require low VOC and low FOG characteristics

CF4094-72 Physical Properties			
Thickness	Mils CF4094-72		
Adhesive	4.0		
Liner	5.3		
Total Thickness	9.3		
Performance Test	Test Method	Typical Values	
Loop tack	PSTC-16-Method A	Lbs./in.	Oz/in.
Stainless Steel	Backed with 2 mil PET	7.2	115
Peel Adhesion - 180° 2 mil PET Backed	PSTC-101-Method A	Lbs./in.	Oz/in.
30 minute dwell	Stainless Steel	6.0	96
24 hour dwell	Stainless Steel	6.5	104
24 hour dwell	Polycarbonate	6.5	104
24 hour dwell	HDPE	3.5	56
Dielectric Strength	ASTM D 149-20	kV/mm	
Peak Voltage		48.8	
Shear	PSTC-107-Method A	Hours to Fail	
1 kg weight	72°F	200+	

Values given are typical and not for use in specifications

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

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VOC Analysis Method: JIS-A 1801		
Substance	Values not to exceed [$\mu\text{g}/\text{m}^3$]	CF4094-72
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 [$\mu\text{g}/\text{g}$]	CF4094-72
FOG	< 250	30

Fog Analysis Method: SAE J1756	Specification Requirements Gravimetric Fog, mg	CF4094-72
FOG		0.11

SERVICE TEMPERATURE

Application: Above 50°F (10°C) for best performance

End Use: -40°F to 450°F (-40°C to 232°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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