

CB4161-72 Double Coated Tape CleanBond™ LOW VOC Adhesive

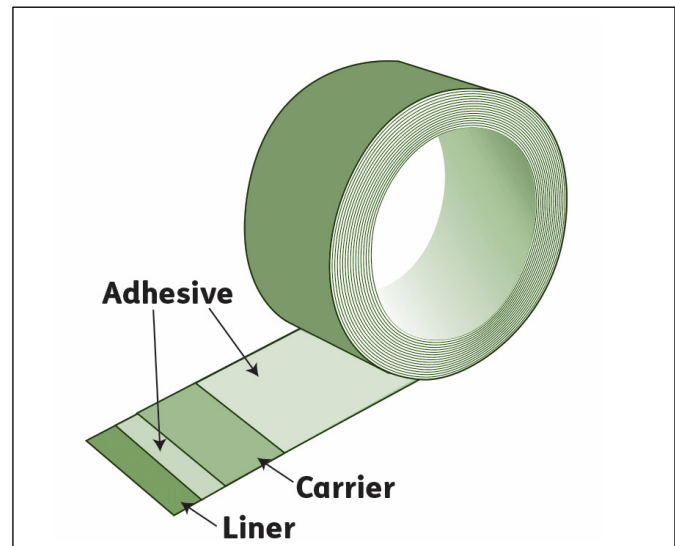
Version: 3
Date: 10/2023
Approved by: SRS

Product Description

CB4161-72 consists of a .5mil PET carrier coated on both sides with 1.8 mils of a clean non-VOC aggressive LSE modified acrylic pressure sensitive adhesive. The adhesive is protected by a two-side silicone 72# white polycoated liner. This product is designed for applications that benefit from a clean, low outgassing adhesive.

Product Construction

- **Carrier:** 0.5 mil PET
- **Adhesive:** 1.8 mils LV860 LOW VOC Acrylic
- **Liner:** 72# White PCK
- **Web Width:** 54"



Features

- LSE acrylic adhesive
- High dielectric strength
- Moisture stable PCK liner
- Non-VOC

Benefits

- Good bond to Si-Foams
- Low outgassing and Low migration
- Smooth adhesive profile
- Good adhesion to LSE 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 characteristics

CB4161-72 Physical Properties			
Thickness	Mils CB4161-72		
Adhesive	1.8/1.8		
Carrier	0.5		
Liner	5.3		
Total Thickness	9.4		
Performance Test	Test Method	Typical Values	
Loop tack	PSTC-16-Method A	Lbs./in.	Oz/in.
Stainless Steel	Backed with 2 mil PET	9.0	144.0
HDPE		4.2	67.2
Peel Adhesion - 180° 2 mil PET Backed	PSTC-101-Method A	Lbs./in.	Oz/in.
30 minute dwell	Stainless Steel	9.0	144
24 hour dwell	Stainless Steel	9.7	155.2
30 minute dwell	HDPE	5.0	80
24 hour dwell	HDPE	5.3	84.8
30 minute dwell	TPO	4.6	73.6
24 hour dwell	TPO	4.7	75.2
30 minute dwell	PP	5.8	92.8
24 hour dwell	PP	8.3	132.8
Dielectric Strength	ASTM D 149-20	kV/mm	
Peak Voltage		39	
Shear	PSTC-107-Method A	Hours to Fail	
1 kg weight	72°F	55+	

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.

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Tensile	ASTM-D882	Lbs./in.	Oz./in.
MD/CD		10	160
Elongation	ASTM-D882	%	
MD		100	

Values given are typical and not for use in specification

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

- Custom liners, thicknesses, and widths available upon request

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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