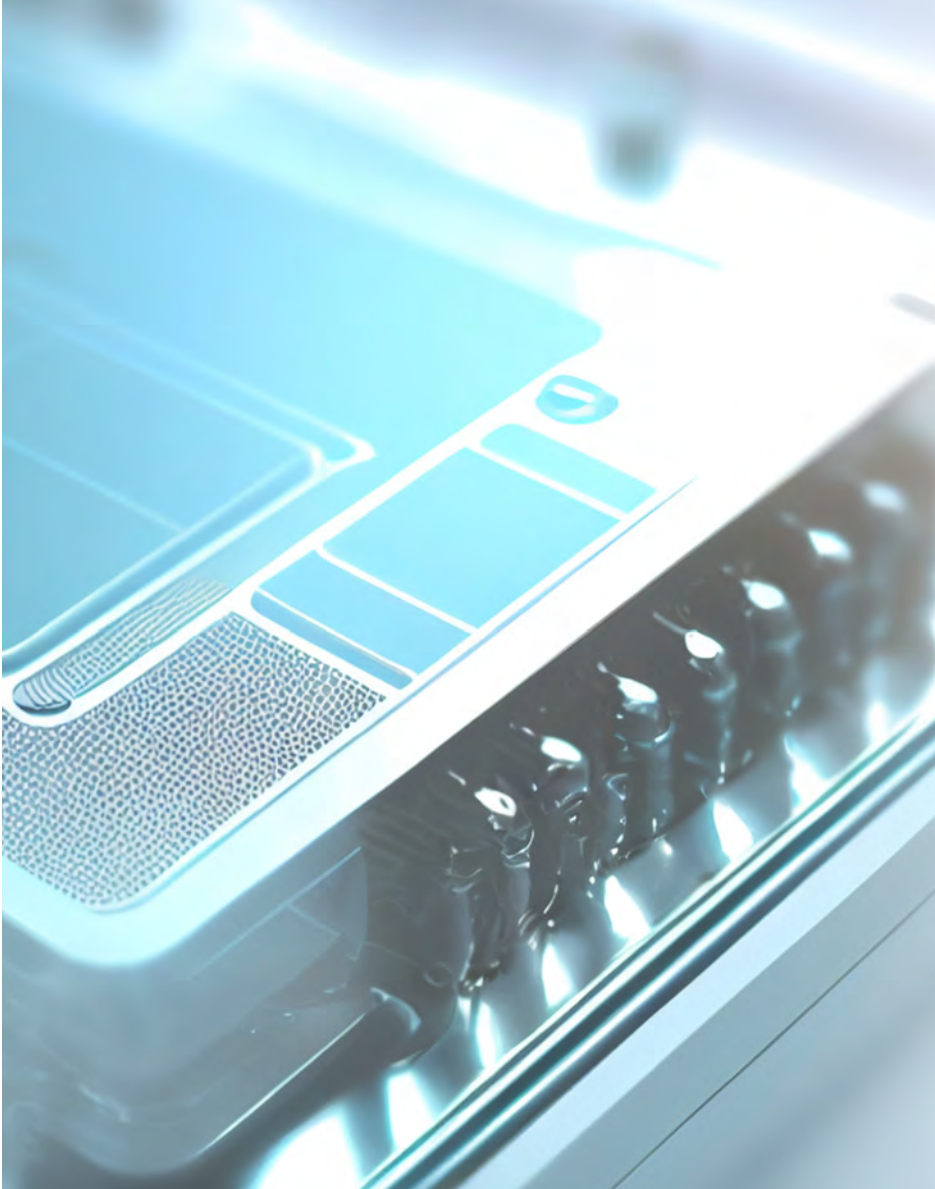


# Cleantape®

## Engineered Tapes & Laminates



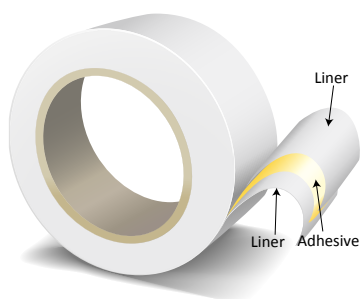
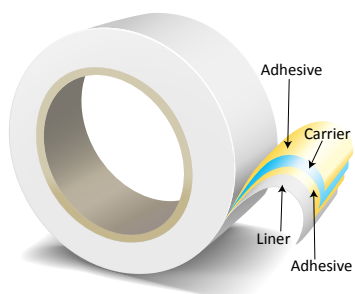
- Automotive
- Battery Components & Assembly
- Electronics Assembly
- Electrical Insulation
- EMI & RF shielding
- Flexible Printed Circuits
- Printed Circuit Boards
- Wire Harness



Cleanest adhesive tapes available with no VOCs and ultra-low outgassing/migratory options available. Designed with electronic devices in mind for sensitive applications where fogging and residue can cause circuit and component degradation. Cleantape offers a spectrum of adhesion performance with excellent temperature, chemical and humidity resistant options available.

# Cleantape™

## Engineered Tapes & Laminates



### Double Coated Tapes

Part Number	Adhesive	Type	Carrier	Coat Weight (mils)		Caliper (mils)	Liners	Performance Characteristics		
				Liner/Unwind	Adhesive & Carrier			Peel SS lb/in	Tack SS lb/sq.in	Shear hours
CB1100	LV790	Rubber	.5 mil PET	1.2/1.2	2.9	2.9	60# SCK/ 72# PCK	12.0	12.0	1000+
CB1102	LV790	Rubber	.5 mil PET	2.0/2.0	4.5	4.5	60# & 80# SCK, 12pt Brd	12.0	12.0	1000+
CB4161	LV860	LSE Acrylic	.5 mil PET	1.8/1.8	4.1	4.1	72# PCK	8.8	9.0	55+
CB4180	LV820	Acrylic	.5 mil PET	1.2/1.2	2.9	2.9	72# PCK/ 80# NT PCK	8.5	6.5	85+
CB4181	LV820	Acrylic	.5 mil PET	1.8/1.8	4.1	4.1	72# PCK/ 80# NT PCK	8.5	7.0	85+
CB4182	LV820	Acrylic	.5 mil PET	2.4/2.4	5.3	5.3	72# PCK/ 80# NT PCK	9.5	7.0	85+
CB4190	LV840	Acrylic	.5 mil PET	1.2/1.2	2.9	2.9	72# PCK	5.5	5.0	300+
CB4190-2PET	LV840	Acrylic	.5 mil PET	1.2/1.2	2.9	2.9	2.0 PET liner x2	5.5	5.0	300+
CB4192	LV840	Acrylic	.5 mil PET	2.4/2.4	5.3	5.3	72# PCK	6.5	8.0	300+

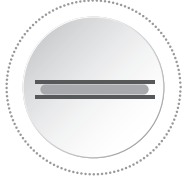
### Transfer Tapes

Part Number	Adhesive	Type	Carrier	Coat Weight		Caliper (mils)	Liners	Performance Characteristics		
				mils	Adhesive & Liner			Peel SS lb/in	Tack SS lb/sq.in	Shear hours
CF1091	LV790	Rubber	NA	1.8	6.5	6.5	78# SCK	12.0	12.0	1000+
CF1093	LV790	Rubber	NA	2.6	8.3	8.3	78# SCK	12.0	12.0	1000+
CF4062	LV860	LSE Acrylic	NA	2.0	9.8	9.8	72# PCK	9.0	9.2	55+
CF4082	LV820	Acrylic	NA	2.0	7.8, 8.1	7.8, 8.1	72# PCK/ 80# NT PCK	9.5	5.5	85+
CF4083	LV820	Acrylic	NA	3.0	8.8, 9.1	8.8, 9.1	72# PCK/ 80# NT PCK	9.5	7.0	85+
CF4084	LV820	Acrylic	NA	4.0	9.8, 10.1	9.8, 10.1	72# PCK/ 80# NT PCK	9.9	7.0	85+
CF4092	LV840	Acrylic	NA	2.0	7.8	7.8	72# PCK	6.0	6.0	300+
CF4094	LV840	Acrylic	NA	4.0	8.8	8.8	72# PCK	6.5	7.2	300+

- Double liner options are available on acrylic products
- Custom constructions are available upon request
- For the most current information, visit [Mactac.com](http://Mactac.com)



- Excellent compatibility with various conductive inks, solders and circuitry components.



- High dielectric properties



- Adhesion to a wide variety of materials including various types of films, foils, foams and thermal interface materials



- Capable of withstanding rigorous hot & cold temperature cycling.



- Maintains adhesion properties after exposure to water and saltwater environments



- Low Fog - VDA278 Compliant, SAE J1756



- Withstands exposure to chemicals, organics solvents, cleaners, fuel types, hydrocarbon-based fluids, weak acids and alkalis



- Non-VOC - Meets JIS-A 1901



- Recognized for UL969 and CSA 22.2 No. 15

- Passes FMVSS302 flammability testing

- **Application Temperature** Above 50°F (10°C) for best performance
- **End Use Temperature** -40°F to 450°F (-40°C to 232°C)\*based on adhesive



# Cleantape®

## Engineered Tapes & Laminates

**For Regulatory Information**, please visit [www.mactac.com](http://www.mactac.com) for all product regulatory compliance.  
**For Quality information**, please visit [www.mactac.com/quality](http://www.mactac.com/quality) for all manufacturing site ISO 9001 certificates.

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**For Technical Data Sheets please visit [www.mactac.com/industrialtapes](http://www.mactac.com/industrialtapes).**

**Have a project or a question, send us a note at [EngineeredTapes@Mactac.com](mailto:EngineeredTapes@Mactac.com)**

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Mactac is a member of the following organizations:  
Gasket Fabricators Association  
Pressure Sensitive Tape Council

