

# Cleantape® fr

## Engineered Tapes & Laminates



Automotive

Bonding

Busbars

Cell Wrapping

Compression Pads

Cushioning & Dampening

Electrical Insulation

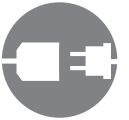
EMI & RF Shielding

Pack Sealing & Gasketing

PCK & Flexible Circuit

Thermal Runaway  
Protections

Thermal Interface



**Mactac North America announces a new line of Flame Retardant Tapes**

- Solvent Free & Non-Halogenated
- Meets UL94 VTM-0
- **100% solids adhesive** eliminates harmful solvents. No VOCs or outgassing, reduces CO2 emissions.

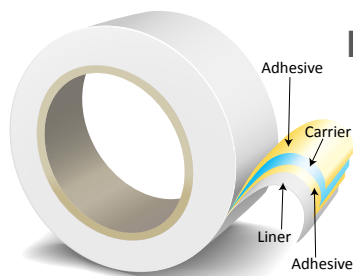
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**mactac®**  
A LINTEC COMPANY



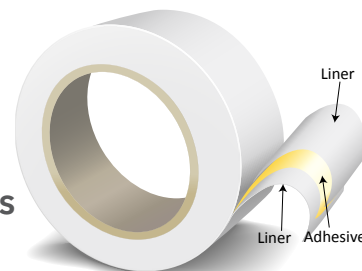
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## Engineered Tapes & Laminates



### Double-Coated Tapes

### Transfer Adhesives



#### Double Coated Tapes

				Coat Weight (mils)	Caliper (mils)		Performance Characteristics		
Part Number	Adhesive	Type	Carrier	Liner/ Unwind	Adhesive & Carrier	Liner	Peel SS lb/in	Tack SS lb/sq.in	Shear hours
FRB4160-72	FR	Acrylic	1.0 mil PET	1.2/1.2	7.7	72#PCK	3.0	4.1	21.8

#### Transfer Tapes

				Coat Weight	Caliper (mils)		Performance Characteristics		
Part Number	Adhesive	Type	Carrier	mils	Adhesive & Liner	Liner	Peel SS lb/in	Tack SS lb/sq.in	Shear hours
FRF4061-72	FR	Acrylic	1.0 mil PET	1.2	6.5	72# PCK	3.0	4.1	21.8
FRF4062-72	FR	Acrylic	1.0 mil PET	2.0	7.3	72# PCK	8.0	6.7	6.2

- Double liner options are available on acrylic products
- Custom constructions are available upon request



- **Application Temperature** 0°F (-18°C) for best performance
- **End Use Temperature** -40°F to 300°F (-40°C to 149°C)\*based on adhesive



- Meets UL94 VTM-0



- **Foam Bonding** - Performs well on: EPDM, Nitrile PVC and Poron

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

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

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