

# Cleantape® fr

## Engineered Tapes & Laminates



Automotive

Bonding

Busbars

Cell Wrapping

Compression Pads

Cushioning & Dampening

Electrical Insulation

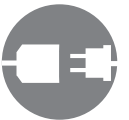
EMI & RF Shielding

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.

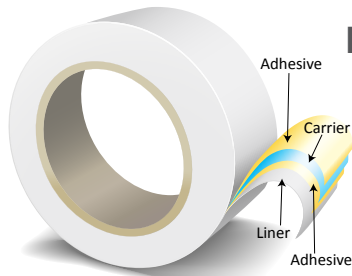
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ALINTEC COMPANY



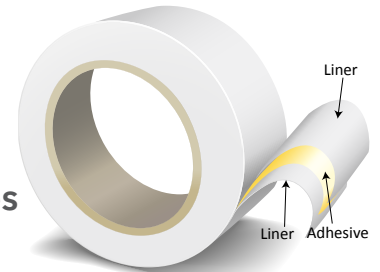
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## Engineered Tapes & Laminates



### Double-Coated Tapes

### Transfer Adhesives



Double Coated Tapes										
Part Number	Adhesive	Type	Carrier	Coat Weight (mils)		Caliper (mils)	Liner	Performance Characteristics		
				Liner/Unwind	Adhesive & Carrier			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										
Part Number	Adhesive	Type	Carrier	Coat Weight		Caliper (mils)	Liner	Performance Characteristics		
				mils	Adhesive & Liner			Peel SS lb/in	Tack SS lb/sq.in	Shear hours
FRF4061-72	FR	Acrylic	NA	1.0	6.3	72# PCK	3.0	4.1	21.8	
FRF4062-72	FR	Acrylic	NA	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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