

**Nomex® Felt Tape** combines the effectiveness of Nomex® felt with high temperature pressure sensitive adhesive for easy application to many surfaces. Simply peel off the backing material and apply the adhesive side to the intended surface. Nomex® felt is typically used in high temperature applications for sealing or protection against scratches and dents. The soft yet durable industrial grade Nomex® felt is inherently fire resistant and capable of withstanding short-term contact temperatures up to 450°F (230°C).



### MATERIAL SPECIFICATIONS:

Property	UM	Values			
Thickness	inches	1/16	3/32	3/16	5/16
	mm	1.7	2.2	4.8	7.5
Weight	oz/yd <sup>2</sup>	10	15	28	53
	g/m <sup>2</sup>	340	525	950	1800
Roll Width	inches mm	1 to 4 25.4 to 101.6			
Roll Length	feet	90	90	per ft	per ft
	m	27.4	27.4	per m	per m

*Note: custom sizes are available upon request*

### APPLICATIONS:

- Scratch & Dent Protection – for lining carts or racks in heat treating, aging or handling of hot materials with a critical surface finish
- Seals & Gaskets – as seals for ovens, BBQs, and smokers

### THERMAL PROPERTIES:

Property	Temperature	
	F°	C°
Decomposition Temperature	750	400
Contact Temperature	450	230
Operating Temperature	400	200



## ADHESIVE PROPERTIES:

- High adhesion values on different substrates
- Excellent grabbing power to rough surfaces
- Excellent temperature resistance

Property	UM	Value
Tack	poor - very good	very good
Humidity Resistance	poor - very good	very good
Adhesive Strength	poor - very good	very good
Aluminum (initial)	N/cm	10.0
Aluminum (14+ days)	N/cm	10.5
Steel (initial)	N/cm	11.5
Steel (14+ days)	N/cm	12.0

## APPLICATION TIPS:

*[Newton centimeter (N/cm) is SI (System Int'l) measurement unit of torque]*

**Surface preparation and cleaning:** The surface should be free of dust, grease, oil, moisture, and other contaminants as they will decrease the level of bonding power significantly

**Temperature:** The recommended optimal application temperature is from 20°C to 30°C in dry rooms. If possible, tapes should not be applied at temperatures below 10°C

**Application:** The tape should be applied to the surface at constant speed and pressure. For optimal results a roller can be used to obtain uniform pressure at 20 N/cm<sup>2</sup> over the complete bonding area

**Bond build rate:** The bond strength will increase over time until full strength is reached after approximately 72 hours

**Packaging:** Wrapped on cardboard cores or spooled and packed in boxes

**Storage:** Store material at room temperature in a clean and dry environment

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