



# Therm-X<sup>®</sup> IT-7170

## PRODUCT DESIGN

Therm-X IT-7170 is a 1 mil polyimide film tape with a silicone thermosetting pressure sensitive adhesive system.

## APPLICATION

Therm-X IT-7170 is designed for use as a high performance insulation layer on coils and fractional horsepower motors. IT-7170 is excellent for bundling and protective outer wrap applications.

## PERFORMANCE FEATURES

- Polyimide film backing offers high conformability, abrasion protection, and puncture resistance at high temperatures
- Performance silicone adhesive system engineered for high temperature performance and resists solvent contamination
- UL Listed under file number E82910

PHYSICAL PROPERTIES	VALUE	TEST METHOD
Color	Amber	
Backing Thickness	1.0 mils (0.03 mm)	PSTC-133
Total Thickness	2.5 mils (0.06 mm)	PSTC-133
Adhesion to Steel	20 oz/in (5.5 N/25 mm)	PSTC-101
Tensile Strength	35 lb/in (153 N/25 mm)	PSTC-131
Elongation	50%	PSTC-131
Dielectric Strength	6,500 Volts	ASTM D-149-91
Insulation Class	180°C	
Backing	Polyimide Film	
Adhesive System	Silicone	

## CLASSIFICATIONS

### UL Listed File Number E82910

All product properties are measured in accordance with Pressure Sensitive Tape Council and/or ASTM test methods. The physical properties listed above are typical values and are not to be construed as specifications. Our suggestions and recommendations for use are based on tests we believe to be reliable. However, the purchaser must determine the suitability of the product for his intended use. Ideal Tape Co., assumes no liability for claims beyond the replacement value of our product proved to be defective. Note: Tape should be stored in its original packaging in a cool, dry area (60°F to 80°F and 50% relative humidity) away from direct sunlight. Tape should be used within 12 months from the date of shipment. Application surfaces should be clean, dry and free of grease, oil or other contaminants. MK-081921

**THERM-X<sup>®</sup>**

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