

## PowerTape

**ThistleBond 'PowerTape'** is a high performance self-amalgamating insulating tape specially developed to be used to bind cables, seal external cable ducts and repair leaking radiator hoses.

**ThistleBond 'PowerTape'** is based on a specially selected EPDM rubber which has been designed to permanently fuse together when stretched and wrapped around an object forming a dielectric sheath to protect from moisture ingress and electrical discharge.

**ThistleBond 'PowerTape'** is simple and easy to use in a single application and is ideal for making grip handles on tools and forming a solid insulating barrier against electricity and moisture.

**Before proceeding, please read the following information carefully to ensure that the correct application procedure is fully understood.**

### SURFACE PREPARATION

Ideally all dirt and loose friable material must be removed by chipping or wire brushing.

### APPLICATION

Remove the first 50mm (2 inch) of white release film, stretch and apply first 50 mm ( 2 inch) of black rubber tape to area to be repaired or insulated. Continuing to stretch up to 100%, wind the tape around the repair area overlapping the windings by half the width of the tape. When sufficiently overwrapped, pull hard or cut to break.

### PHYSICAL CONSTANTS

<b>Mixing Ratio</b>	Supplied ready for use.
<b>Appearance</b>	Black tape with white release tape backing.
<b>Shelf Life</b>	Use within 5 years of purchase. Store in original packing, protected against dust and humidity at temperatures between 10°C (50°F) and 30°C (86°F).

### PHYSICAL PROPERTIES

Perforation Tension	Approx 40 kV/mm
Maximum Stress	$\geq 1.7$ Mpa
Elongation	$\leq 700\%$
Dissipation Factor @23°C	$\leq 80 \times 10^4$
Overload Capacity	130°C
Water Absorption	$\leq 2\%$

### HEATH AND SAFETY

Not classified as hazardous for supply.

### PACKAGING

Supplied in 3.3 Metre units.

The information provided in this Product Data Sheet is intended as a general guide only and should not be used for specification purposes. The information is given in good faith but we assume no responsibility for the use made of the product or this information because this is outside the control of the company. Users should determine the suitability of the product for their own particular purposes by their own tests. Detailed specifications are available on request from the company.

FOR FURTHER INFORMATION PLEASE CONTACT



**ThistleBond**

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