

POWER TAPE

ThistleBond

A Division of E. Wood Ltd., U.K.



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

ThistleBond 'Power Tape' 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 'Power Tape' 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.

SURFACE PREPARATION & APPLICATION PROCEDURE

Remove dirt, dust, mud, oil etc from application area. Clean the surface with ThistleBond 'Cleaner' to avoid deposit of any 'film' which may prevent bonding.

'Power Tape' can be applied as follows : Remove the first 50mm of white release film, stretch and apply first 50mm of black rubber tape to area to be repaired or insulated. Continuing to stretch up to 100%, wind tape around repair area overlapping the windings by half the width of the tape. When sufficiently overwrapped, pull hard or cut to break.

This application will permanently fuse the tape to the conductor or substrate to prevent the ingress of moisture and enhancing the Insulation values. By increasing thickness "Dielectric Strength" can be increased.

POWER TAPE

PHYSICAL PROPERTIES

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

PHYSICAL CONSTANTS

Mixing Ratio	Supplied ready for use.
Appearance	Black Tape with white release tape backing
Drying Time @ 20°C	
Dry to Handle	Instant
Full Cure	Instant repair for handle
Shelf Life	5 years @ room temperature

SUPPLY INFORMATION

Stock No : TA460
Description : Power Tape
Pack Size : 3.3 Metre units

* for further information see Chemical Resistance Chart

CHEMICAL RESISTANCE *

Diesel / Kerosene	Excellent
Moisture	Excellent
Chemical Atmosphere	Excellent
Hydraulic Oil	Excellent
Transformer Oil	Excellent
Engine Oils	Excellent
Liquid Petroleum	Excellent
Sea Water	Excellent

RECOMMENDED APPLICATIONS

- Protecting and insulating "Exposed" conductors in "Trailing Cables"
- Insulating the damaged HT & LT electrical cables
- Repairing of the sheath of electrical cables
- Insulating the external cable ducts
- Instant formation of "Insulating Grip" to tools to prevent electrical shocks
- Protection of cables from moisture penetration and enhancing Insulation of electrical cables

Distributor catering to your needs



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