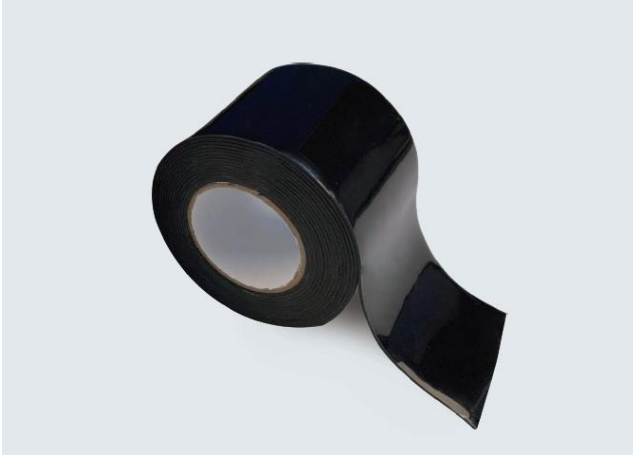


M77 FIRE-RETARDANT AND ARC PROOFING TAPE



WHAT IS M77

M77 is used for protecting most types of electrical cables from heat and flame caused by potential failures in an adjacent cable. Its specially formulated adhesive expands in fire to form thick charcoal aggregates among the flame and the cable or accessories. This resulting firewall acts as a heat shield and flame barrier for a protective effect.

KEY FEATURES

- An insulation firewall is formulated in fire among the flame and the cable or accessories.
- High flame retardant, self-extinguishing and no flame spreading.
- High-quality environmental protection material makes the cable heat loss faster and no toxic gas.
- Arc resistant protection for adjacent cable and accessories.
- Excellent UV resistance, waterproof and chemical resistance
- Elastomeric material with superior flexibility and without rigid fiber.

- Its self-adhesive performance provides easy installation.

APPLICATION

- Fire-retardant protection for cables which breakdown frequently.
(e.g. cable trench, input & output lines of the switchgear and so on)
- Protect control cables.
- Enhance insulation of the fire hazard and reduce arc transmission.
- Fire protection of piping system. (e.g. gas pipeline and oil pipeline)

COLOR

Black

HOW TO USE

1. Stretch the tape by using appropriate force, then wrap with half lapping.
2. Completely overlap at the beginning and end position.
3. Start wrapping at 150mm from previous roll when open a new roll.
4. Press the wrapped tape and ensure the layers bonding tightly.

TYPE

Type	Dimension(mm) Thickness x Width x Length	Pack
M77	0.8 x 60 x 5000	60rolls/ctn

TECHNICAL DATA

No.	Test	Standard	Requirement
1	Dimensions	GA478 5.1	Width: $\pm 1.5\text{mm}$; Thickness: $\pm 0.1\text{mm}$
2	Appearance	GA478 5.2	Flat, No lamination, bubble and
3	Tensile Strength	GB/T 528	$\geq 3\text{MPa}$
4	Elongation at Break	GB/T 528	$\geq 500\%$
5	Change of Tensile	GB/T 2951.12	$\pm 20\%$ ($100^{\circ}\text{C} \pm 2^{\circ}\text{C}/168\text{h}$)
6	Elongation at Break(after aging)	GB/T 2951.12	$\pm 20\%$ ($100^{\circ}\text{C} \pm 2^{\circ}\text{C}/168\text{h}$)
7	Elongation at Low	GB/T2951.14	$\geq 60\%$ ($-15^{\circ}\text{C} \pm 2^{\circ}\text{C}$)
8	Water Resistance	GA478	Immersion 15d, No bubble, corrugation, lamination or crack
9	Acid Resistance	GA478	Immersion 7d, No bubble, corrugation, lamination or crack
10	Alkali Resistance	GA478	Immersion 7d, No bubble, corrugation, lamination or crack
11	Salt Resistance	GA478	Immersion 7d, No bubble, corrugation, lamination or crack
12	Self-adhesive	GA478	No loose adhesion (24h)
13	Fire Resistance(Char Height)	GB/T 18380.31	$\leq 2.5\text{m}$
14	Oxygen Index	GB/T2406.2	$\geq 45\%$
15	Thermal Conductivity	ASTM D1518-14	0.15 BTU-ft(0.25W/mk)