

EPR SELF AMALGAMATING TAPE

KEY FEATURES:

- Good homogeneous insulation without the need to apply any type of heat or pressure.
- Does not harden, prevents cracks, water penetration or leaks.
- Excellent physical and electrical properties with a high degree of dimensional stability in its use.
- Excellent resistance to ozone and to prolonged immersion in water (even against seawater).
- **Easy and precise to use, does not get dirty and hardly any product is wasted.**
- **Self-extinguishing tape.**
- High service temperature range, supporting extreme conditions going from -40°C to + 100°C.

Self vulcanizing insulating tape, specially designed for electrical insulation and protection of conducts, surfaces, cables and electrical connections in general.

It consists of a black ethylene-propylene-based rubber (EPR) backing and protected by a laminated tissue liner.

Available colors:  

PRODUCT COMPOSITION



LINER
Laminated tissue

CARRIER
EPR

TECHNICAL CHARACTERISTICS

ADHESIVE PROPERTIES	VALUES	METHOD
Total thickness	0,76 mm	ASTM D-3652
Tensile strength	3,2 N/mm ²	ASTM D-882
Elongation at break	400 %	ASTM D-882
Volume resistivity	10 ¹³ Ω.m	ASTM D-257
Dielectric loss angle	0.005 °	ASTM D-150
Dielectric strenght	35 kV/mm	ASTM D-149
Service temperature range	[-40°C - +100°C]	INTERNAL
Application temperature range	[-5°C - +35°C]	INTERNAL

The given values are typical values obtained in specific conditions of temperature, loads and adhesive surface determined by norm. The user must determine if the tape is suitable for their specific application by testing the product. In case help is needed, ATyT will provide you with profesional customer support and recommendation, indicating which tape suits best your needs.





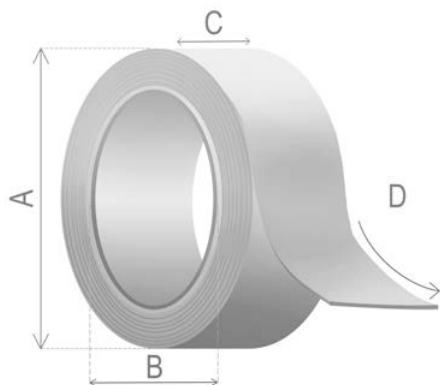
APPLICATIONS

- Compatible with a wide range of **dielectric insulating plastics and rubbers**, including polyethylene, cross-linked polyethylene, polypropylene (PP) rubber, PVC, butyl, and neoprene.
- The tape vulcanizes quickly when it is applied under tension, to provide an homogeneous void-free wrap, without the need of external heat or pressure.
- Repair of covers of electric cables, reconstitution of the insulating layer of synthetic electric cables and wiring splices.
- Hermetic seal of telecommunications cabling, providing insulation and protection against moisture and corrosion.
- Insulation, waterproofing and protection of electrical components.
- Protection against corrosion and leaks in metal pipes and conduits.
- Protection of joints against water in marine applications.



Surfaces to which tape is applied should be clean, dry and free of grease, oil, moisture, dirt and other contaminants. Sufficient pressure should be applied during application. If not, it will affect the properties and appearance of the product.

STANDARD PRESENTATION:



Outer diameter (A)	72 mm		107 mm	
Core diameter (B)	38 mm			
Width (C)	19 mm	25 mm	38 mm	50 mm
Length (D)	3 m		9,15 m	

Any other length and width available on request. Check conditions. The product can be supplied with a multitude of different types of presentation (see conditions). Among others, we highlight: the personalization of the core, the customized plastic packaging, the shrink wrapping and the labeling of the tape.



STORAGE CONDITIONS

For better conservation of properties, product should be stored in its original packaging, between 20 and 30° C, preserved from direct exposure to sun and moisture. It is recommended to use the product within 12 months, since dispatching date.



GENERAL WARRANTY CONDITIONS

ATyT recommends applying the product only on clean, dry and free of grease, oil or other contaminants surfaces.

Product properties are typical and should not be considered specifications. They are based on tests believed to be reliable and performed conformance with recommended test methods. Values are expected to be used for comparison purposes only; they do not represent a manufacturer guarantee. Before using, the client should determine whether the product is fit for a particular purpose and for the user's method of application.

