

# EXTREME-TAPE

High performance self-sealing silicone-based tape



## DESCRIPTION:

is a self-vulcanizing silicone-based tape with a high sealing power and resistant to temperature up to 260 °C. Strong weather resistance, high dielectric strength and waterproofing. EXTREME-TAPE seals chimneys, exhaust mufflers, water and gas pipes, electrical joints, tools, nautical and military uses. High elasticity and resistance to chemical and corrosive environments.

## APPLICATIONS:

- Insulating seal for electrical cables
- Automotive, aeronautic, spatial sector, ydraulic and thermotechnical field, etc...
- Coverings in surface treatment (powder painting, plating, etc.)
- Its versatility makes it suitable in many applications, also in chemical systems and galvanizing industry
- Suitable also for synthetic materials, in particular on polyethylene pipes.

## TECHNICAL DATA AND PROPERTIES:

	METHOD	VALUES
Working temperature *		-45 ÷ +200 °C (-50 °F ÷ 400 °F)
Specific weight	ASTM D792	1,2 ± 0,03
Thickness		0,65 mm
Hardness shore – A	ASTM D2240	55 ± 5
Tensile strength	ASTM D412	700 psi min.
Ultimate elongation	ASTM D412	300 % min.
Tear resistance	ASTM D624	60 ppi min.
Water absorption	F. Std. 601, Method 6251	5 % max.
Dielectric rigidity	ASTM D149	400 Vpm min.
Dielectric constant 1kHz	ASTM D150	2,95
Dissipation factor 1 kHz	ASTM D150	< 0,0004
Storage		over 5 years if well stored

\* Picks up to - 65 °C and + 260 °C are acceptable



**GENERAL FEATURES:**

- Humidity resistance: EXCELLENT
- Electrical insulation: EXCELLENT
- Resilience: EXCELLENT
- High temperature: EXCELLENT
- Flame resistance: GOOD
- Abrasion resistance: GOOD
- Tear resistance: GOOD
- UV rays resistance: EXCELLENT
- Ozone resistance: EXCELLENT
- Corrosion prevention: EXCELLENT
- Solvent resistance: GOOD
- Acid resistance: GOOD
- Oils resistance: GOOD
- Hydrocarbons resistance: GOOD

**ADVANTAGES COMPARED TO OTHER TAPES:**

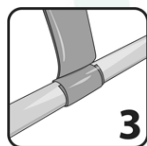
FEATURES	RUBBER (EPR) & SYNTHETIC (PIB)	EXTREME TAPE
High temperature	Da 90 °C a 130 °C in some cases	+ 260 °C
Low temperature	Da -10 °C a -30 °C	-60 °C ÷ -65 °C
Elasticity	< 200 % in generale	300 ÷ 700 %
Tear resistance	150 ÷ 300 PSI	450 ÷ 950 PSI
Color availability	Black & White	Different colours
Melting	Self-vulcanizing and sealing in 24 hours	Self-vulcanizing and sealing in 1 minute

**INSTRUCTIONS FOR USE:**

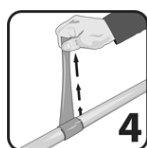
Clean the surface and cut the tape to the required length (usually 3-4 times the diameter to be wrapped)



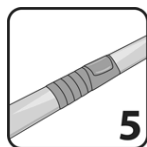
Remove the protective film



Hold one end of the tape fixed on the part to be wrapped and stretch



Wrap keeping the tape under tension ensuring that at every turn the tape supports in part, at least in half, on itself



Make sure that the latest round of tension is on the same surface of the tape already applied

**SIZE AND AVAILABLE COLOURS:**

Blister 25,4 mm (1") x 3 m  
Available colours; black, orange and white.

Last update: 03.04.2023

