



## Silicone coated glass tape

### Description

Siliconized tape is a glass fibre tape covered with a thick layer of red silicone rubber which provides the tape with a high level of heat insulation. It is a very flexible tape, which is suitable for protecting hoses and electric cables by means of bandaging without having to disassemble or disconnect the parts to be covered. It offers continuous protection at operating temperatures of 250°C and can withstand splashes of molten metal up to 1200°C. It is resistant to most oils and fuels, hydraulic fluids, acids and alkalis.

### Applications

Protection of cables, wires and hoses against extreme heat, fire protection, insulation of hoses against loss of heat for the steel and naval industries, industrial furnaces, automotive sector, foundries, steel works, oil rigs.

#### Standard sizes

thickness mm	width mm	rolls m
3	25	15
3	50	15
3	76	15
3	102	15
3	125	15

#### Characteristics

Colour	white and red oxide outer layer
Operating temperature	250°C
Nominal thickness	3-4 mm
Chemical resistance	resistant to hydraulic fluids, most acids, chemical substances, lubricant oils and fluids
Combustibility	non-flammable

#### Chemical analysis (glass fibre tape only)

Aluminium oxide	Al <sub>2</sub> O <sub>3</sub>	12 - 16 %
Silicon oxide	SiO <sub>2</sub>	52 - 56 %
Calcium oxide	CaO	16 - 25 %
Magnesium oxide	MgO	0 - 5 %
Boron oxide	B <sub>2</sub> O <sub>3</sub>	5 - 10 %
Alkali content	Na <sub>2</sub> O+K <sub>2</sub> O	0 - 1 %
Iron oxide	Fe <sub>2</sub> O <sub>3</sub>	0.05 - 0.4 %
Titanium oxide	TiO <sub>2</sub>	0 - 0,8 %
Fluorine	F <sub>2</sub>	0 - 1 %

#### Qualification based on specific testing

sleeve obtained certification from RINA Institute for the fire resistance test of hose assemblies and passed the SAE Aerospace Standard 1072 test for cable assemblies at specific pressures, and the expanded sleeve the SAE Aerospace 1055 B flame test.