

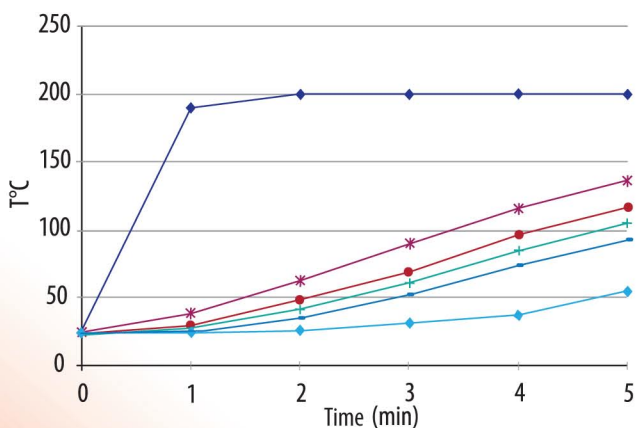
STMS

Glass fibre braided sleeving coated with a cellular silicone rubber



Insulating performances

- Put in a oven at 200°C, the thermal insulation depends on the silicone wall thickness. The hereafter graphic shows the temperature evolution given by a pyrometric lead put inside the sleeve in accordance of the exposition time.



- ◆ Bare lead
- ◆ Braid + silicone cellular ep 2.5
- ◆ Braid + silicone cellular ep 4.5
- ◆ Braid + silicone cellular ep 6
- ◆ Braid + silicone cellular ep 7
- ◆ Braid + silicone cellular ep 15

Applications



Characteristics

- Continuous working temperature : from -50°C to +200°C
- Peak temperatures :
 - few hours at 250°C
 - 4 hours at 300°C
 - 5 minutes at 400°C
- Fragility point : -65°C and 450°C
- Classification V0 according to UL 94, on request
- Resistance to silicone breaking : 0.7 MPa
- Elongation at break of the silicone : 300%
- Resistance to silicone tearing : 3 KN/m
- Effort of silicone compression : 5 N/cm²
- Very good resistance to ozone, to oxygen, to inclemency and to UV radiation
- Good resistance to basic or acid aqueous solutions (weakly concentrated)
- Good resistance to alcalin solutions of ethylic alcohol, glycerine, acetone, oxygenated water, or ricin oil
- Risk of depolymerization with a pression over 6 bars with presence of saturated water vapour
- Watertight
- Very flexible

Colours and packagings

- Manufactured diameters : from 8 to 40 mm
- Silicone wall thickness : variable from 2.5 to 15 mm, depends on the wished thermal protection
- Standard colour : black
- Other colours : on request
- Packaging : rolls of 25 or 50 m

*The technical information written on our datasheets correspond to the most recent knowledges we have on those products, but the user is not exempted to verify the performances in the real particular context of application.

