

Technical Data Sheet

02/2020
replaces edition 01/2020

Material Composition

BRA-FLEX® *Protect* consists of a high temperature silicone rubber. It shows an effective heat protection with rubber-elastic properties.

Special Material Characteristics

- **high thermal stability**
- **flexible installation possibilities**
- **high insulation effect**
- **high chemical resistance**
- **hydrophobic**
- **easy to remove**

Range of Applications

BRA-FLEX® *Protect* is used as flexible heating plate cover and outside insulation. Prefabricated formed components (cut hoses, valves and flanges) allow a fast and easy mounting and dismantling.

BRA-Flex® *Protect* grants an effective protection against skin burns and provides an active accidents prevention.

BRA-Flex® *Protect* reduce the energy loss effectively and offers a short payback period.

BRA-FLEX® *Protect* vulcanized

...High-tech – ductile heat cover for hoses, valves and other hot surfaces

Technical data*:

Max. service temperature		
• long-term	250	°C
• short-term	260	°C
Coefficient of thermal conductivity		
• at ambient temperature	0,05 - 0,06	W/mK
• at 200 °C	0,08 - 0,09	W/mK
Density	approx. 0.5	g/cm ³
Chemical resistance	oil, petrol, lubricants, aqueous solutions, diluted acids and lyes	

*) Further technical details upon request



Mounting:

Individual cut by e.g. cutter knife.
Ductile insulation easy to customize for complex shapes.

Specifications are subject to alteration due to technical development. The standard values given in this data sheet are not part of any contract.

Delivery information:

Standard thickness vulcanized plates: 10, 16 [mm]
Standard thickness vulcanized coil: 10, 16 [mm]
Cut hoses: Ø ID 18mm, 22mm - wall thickness 10mm
Cut hoses: Ø ID 22mm - wall thickness 16mm
Insulation for valves and flanges on enquiry
nominal thickness tolerance of +/- 2mm