Technical Data Sheet

BRA-FLEX® *Protect* unvulcanized

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

Material Composition

BRA-FLEX® *Protect* „unvulcanized" is a compound made of silicone rubber. When exposed to heat the uncured and ductile compound cures within a short time; the molded element is able to withstand high temperatures, shows rubber-elastic properties and is an effective heat protection.

Special Material Characteristics

- **high thermal stability**
- **easy to form and to cure**
- **high insulation effect**
- **high chemical resistance**
- **hydrophobic**
- **easy to remove**

Range of Applications

BRA-FLEX® *Protect* "unvulcanized" modeling material is used as flexible heating platen cover and outside insulation.

The ductile characteristic allows to mould suitable heat covers for e.g. hoses, valves, flanges or machine parts.

After curing a dismounting and mounting during maintenance operation is possible.

The cured 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.

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:
Processing time approx.. 3-4 weeks (cool stored).
As higher the temperature as faster the curing time
Individual cut by e.g. cutter knife.
Ductile insulation easy to customize for complex shapes.

Delivery information:

Standard thickness unvulcanized plates:	10, 16 mm
Standard thickness unvulcanized coil:	10, 16 mm
Further thicknesses on request	
Nominal thickness tolerance of +/- 2mm	