

PROMAFLEX®

PROMAFLEX® is a heat-resistant fabric based on at least 95% SiO₂. It is available in various types, e.g. cloths, tapes, sleeves, ropes, braidings, etc.

The PROMAFLEX®- yarn is texturised by air wich gives the PROMAFLEX® -fabrics a good thermal insulation.



ADVANTAGES AND PROPERTIES

- Flexible, high temperature resistant insulating material
- Textile working, cut parts of the most various shapes and lengths
- Flexibility up to high temperatures
- High tensile strength
- High heat insulating capacity with low material thicknesses, high heat absorption capacity
- Resistance to various chemical reagents and atmospheres

WORKING AND PROCESSING

The flexible PROMAFLEX® cloths, tapes, sleeves, ropes and braidings can be worked and processed with conventional textile working tools.

SELECTION CRITERIA

- Chemical resistance
- Thermal insulation
- Thermal resistance
- Tensile strength
- Flexibility
- Workability and processability
- Electrical insulation

Chemical resistance to atmospheres and reagents:

PROMAFLEX® is resistant to oxygen, nitrogen, argon, ammonia, carbon monoxide, chlorine, hydrogen chloride and sulphur dioxide. It is also stable in a vacuum, in connection with water, various hydrocarbon compounds, hydrochloric acid, nitric acid and sulphuric acid.

AREAS OF APPLICATION

- Industrial applications
- Protection for hydraulic and motor cables
- Compensators
- Cooling tubes
- Heat protection curtain
- Flue gas sleeve
- Insulating and welding protective cover
- Electrical installations



PROMAFLEX® TO 1000°C



TECHNICAL DATA

Product name	PROMAFLEX®		
Colour	white		
Application temperature	1000	°C	
Melting point	1700	°C	
Density (1000°C)	2,2	gr/cm ³	
Density	1020 (±5%)	gr/m ²	
Fiber diameter	6 (±1%)	μ	
Waterabsorption	0,1 -0,3	%	
Chemical analysis	SiO ₂	95 (±1)	%
	Al ₂ O ₃	4 (±0,5)	%
Shrinkage at 1000°C	7%	%	

STANDARD SIZES

Promat contains the right to change without notice the properties and values of all products. The given technical values are obtained in specific conditions and are average and indicative. In case of any doubt if these properties and/or values are matching the application requirements, please contact Promat for advise.

PROMAFLEX® Cloth	
Width	1000 m
Length	52 m
PROMAFLEX® - Round braiding	
Diameter	6 - 60 mm
Length	100 - 15 m
PROMAFLEX® - Tape	
Thickness	2 - 3 mm
Width	20 - 100 mm
Length	50 m

