

# Promat

## ALSIFLEX® Textiles

ALSIFLEX® Textiles are textile products based on ALSIFLEX® ceramic fibres reinforced with glassfibre or chrome-nickel-wire.



### ADVANTAGES AND PROPERTIES

- Flexible and elastic for processing, ideal for sealing purposes
- Good thermal insulation
- High tensile strength, abrasion-proof
- High temperature resistance
- Chemical resistance with the exception of hydrofluoric acid, phosphoric acid and concentrated bases

### WORKING AND PROCESSING

The flexible cords, tapes, clothes and hoses can be worked and processed with conventional textile working tools.

### AREAS OF APPLICATION

- Material for darning joints and expansion joints
- Door sealings, heating boilers, chimneys
- Joint sealings in heating devices
- Insulation of pipelines
- Ingot mould sealings
- Furnace curtains



**TECHNICAL DATA**

Product name	ALSIFLEX®-textiles		
Colour	white		
Classification temperature	1260	°C	
Melting point	1760	°C	
Maximum service temperature of reinforcing wires	glass-fibre 500	°C	
	chrome-nickel wire 1000	°C	
Density fibres	2,5 - 2,7	g/cm <sup>3</sup>	
Diameter fibres	2-4	µ (micron)	
Length fibres	± 50	mm	
Shrinkage (na 24u)	900 °C	0	%
	1000 °C	1,25	%
	1200 °C	3,7	%
Chemical analysis	SiO <sub>2</sub>	51-55	%
	Al <sub>2</sub> O <sub>3</sub>	45-49	%

PCF have been classified as a category 2 carcinogen under EU directive 67/548/EC. Therefore avoid exposure and obtain special instructions before use. MSDS-sheets are available on request.

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.

**STANDARD SIZES**

ALSIFLEX® - twisted rope	Diameter (mm)	3	4	5	6	8	10	12	15	20	25	30	40	50	
	Length (m/roll)	200	150	100	100	100	100	100	50	50	50	25	20	15	
	Weight (gr/m)	5	7	10	24	24	35	50	80	160	250	315	650	900	
1 glass fibre reinforcing 2 nickel chrom wire reinforcing	(1) (± 10%)														
	Weight (gr/m)	5	8	11	27	27	40	60	90	170	260	345	670	900	
	(2) (± 10%)														
ALSIFLEX® - round braiding	Diameter (mm)	5	6	8	10	12	14	15	16	18	20	22	25	28	
	Length (m/roll)	100	100	100	50	50	50	50	50	25	25	25	25	20	
	Weight (gr/m)	15	20	33	47	68	87	97	118	147	180	212	275	335	
ALSIFLEX® - square braiding	Diameter (mm)	30	35	40	45	50	60	70	80	100					
	Length (m/roll)	20	20	15	15	15	15	15	15	15					
	Weight (gr/m)	400	550	750	750	1080	1520	2045	2698	4195					
ALSIFLEX® - sleeves	Diameter (mm)	5	6	8	10	12	14	15	16	18	20	22	25	28	
	Length (m/roll)	100	100	100	50	50	50	50	50	25	25	25	25	20	
	Weight (gr/m)	19	25	42	65	90	127	140	170	205	250	305	380	431	
ALSIFLEX® tape on request: - laddertape - with adhesive - black colour	Thickness (mm)	2	3	5											
	Width (mm)	10 t/m 180													
	Length (m/roll)	50	50	50											
ALSIFLEX® - cloth	Thickness (mm)	2	3												
	Width (mm)	1000	1000												
	Length (m/roll)	30	30												
ALSIFLEX® - insulation rope	A	B	C	D	E	F									
	CrNi-wire open	HT750-fibres closed	ceramic fibres closed	ceramic fibres open	E-glas fibres open	E-glas fibres closed									