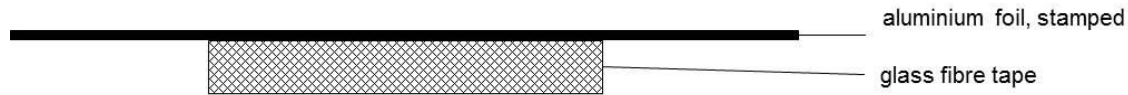


## Technical Data Sheet Pipe insulating composite



The pipe insulating composite consists of a high-temperature resistant textile glass fibre fabric manufactured from continuous glass fibres, which is covered with heat reflecting aluminium foil.

Technical Data			
Type (Pipe insulating composite ...)		65	100
Width of glass fiber fabric (approximate)	[mm]	65.0	100.0
Width of aluminium foil (approximate)	[mm]	100.0	150.0
Thickness according to DIN EN ISO 5084 (approximate)	[mm]	5.0	
Weight (approximate)	[g/m]	140.0	240.0
Roll length (approximate)	[m]	5.0	
Thermal stability	[°C]	550	
Thermal stability short term	[°C]	600	
Cold resistance	[°C]	- 40	
Combustibility		non-inflammable	

**Main function:** Thermally insulating pipe (e.g.: exhaust lines, process gas lines, particle filters, thermal oil lines etc.)

**Processing:** Mechanical attachment  
 Processing temperature: 18 - 25 °C

**Storage conditions:** Dry at temperatures from 18 - 25 °C  
 Max storage time: unlimited

### Approximate required quantities per meter of pipe (Insulation Tape Type 100)

pipe diameter	required for 1 layer	required for 2 layers	required for 3 layers
[mm]	[m]	[m]	[m]
100	3.5	7.0	14.0
150	5.0	10.0	20.0
200	6.5	13.0	26.5
250	8.0	16.0	33.0
300	9.5	19.5	39.0
350	11.0	22.5	45.0
400	13.0	25.5	51.5

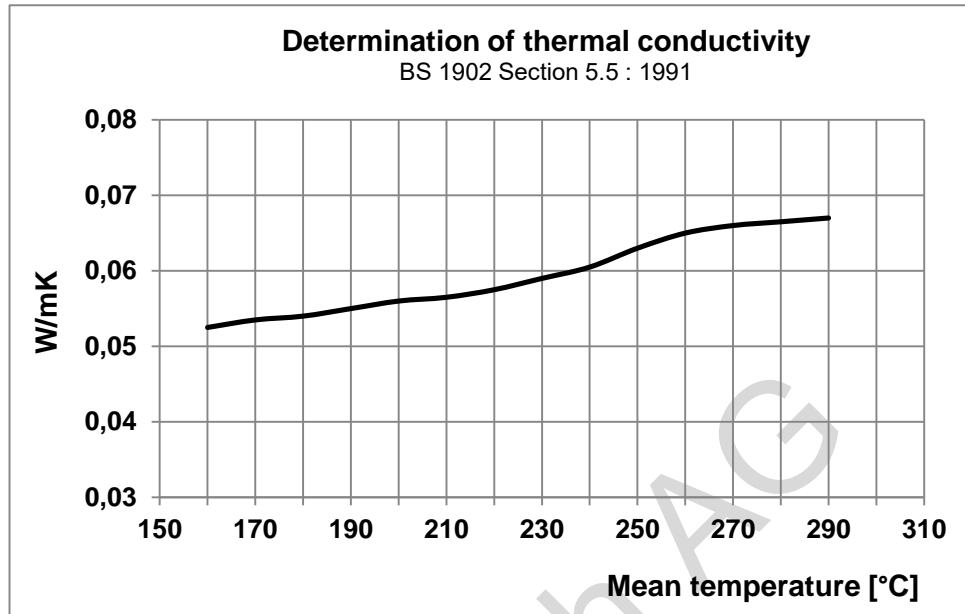
### Approximate surface temperatures (at 20 °C ambient temperature)

## Technical Data Sheet **Pipe insulating composite**

The mentioned values were determined by an experimental setup. Therefore, they can serve only as non-binding approximate values for other installation situations.

pipe temperature	pipe diameter	surface temperature with 3 layers	surface temperature with 4 layers
[°C]	[mm]	[°C]	[°C]
200	100	67	59
300	100	91	78
350	100	104	89
400	100	118	100
450	100	132	112
500	100	148	125
550	100	164	139
200	200	69	60
300	200	93	80
350	200	107	92
400	200	122	104
450	200	137	117
500	200	153	131
550	200	170	145
200	300	70	61
300	300	94	82
350	300	108	94
400	300	123	106
450	300	139	119
500	300	155	133
550	300	172	147

## Technical Data Sheet    Pipe insulating composite



The technical data (average values) as well as material information are based on our present knowledge and experiences. They free the user because of the fullness of possible influences by the application of our products, however, not from own tests and attempts in the approach of the real application. Because of the peculiarities of every individual case we can take over no liability for our indications. On request we are available gladly with information.