

PIPELANE SGR 1 with aluminium lining

PIPELANE SGR 1 with lining is a pipe section made of glass wool coated with aluminium. The PIPELANE products are biosoluble and do not harm your health or the environment. They bear the quality seals EUCEB and RAL «Products made of mineral wool».

Application field

- Insulation of pipelines in heating systems, warm water pipes, industrial facilities or air conditioning ducts
- Hot and cold insulation coupled with outstanding acoustic insulation properties

Technical characteristics

Description	Data	Unit	Standard
Thermal conductivity λ_D at an average temperature of	50 °C 100 °C 150 °C 200 °C 300 °C	0.036 0.043 0.052 0.063 0.093	W/(m·K) DIN 52613
Heat conductivity at an average temperature of 40 °C	–	0.034	W/(m·K) EnEV
Reaction to fire	Not flammable Not flammable Not flammable	A _{2L} -s1, d0 M0 6q.3	– – – EN 13501-1 NF VKF
Application temperature	–	300*	°C –
Top application temperature limit	–	500 [#]	°C EN 14707
Temperature strain on the lining	–	≤ 100	°C –
Specific heat capacity	c_p	0.84	kJ/(kg·K) –
Special properties – water-repellent	Assorbimento d'acqua	< 1	kg/m ² EN 13472 AGI Q 132
Chloride ion content	produced in AS quality	≤ 10	mg/kg EN 13468 AGI Q 132
Impedance (length-related)		> 30	kPa·s/m ² EN 29053
Insulating material reference number		10.04.02.50.99	– AGI Q 132

Delivery types

Thickness (mm)	Inner diameter (mm)	Length (mm)	Outer diameter (mm)	Description code (Outer diameter)
20 – 140	15 – 612	1200	< 150	MW-EN 14303-T8-ST(+)-500- WS1-CL10
			≥ 150	MW-EN 14303-T9-ST(+)-500- WS1-CL10

Pipe sections without substances such as silicones, oils or waxes are available upon request.

VW test specification 3.10.7	–	–	–	Q.3-01/10
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* Organic binding agents may become partially volatile as of a temperature of ≥ 250 °C. However, this does not impair the thermal insulation properties.

A melting point in excess of 1000 °C is not of relevance if a maximum application limit temperature of 500 °C (EN 14707) has been demonstrated.

Quality-controlled in acc. with VDI 2055

The technical information is based on our present state of knowledge and our experiences. We will not assume any liability for applications in special cases under extraordinary conditions.