

PIPELANE SGR 1 with aluminium foil facing

PIPELANE SGR 1 with lining is a pipe section made of glass wool with aluminium foil facing. 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 (temperature above 10°C) coupled with outstanding acoustic insulation properties
- Halogen-free pipe section

Technical characteristics

Description	Data	Unit	Standard	
Thermal conductivity λ_D at an average temperature of	10 °C	0.032	W/(m·K)	EN ISO 8497
	40 °C	0.034		
	50 °C	0.035		
	100 °C	0.042		
	150 °C	0.050		
	200 °C	0.062		
	250 °C	0.076		
	300 °C	0.093		
Heat conductivity at an average temperature of 40 °C	–	0.034	W/(m·K)	EnEV
Reaction to fire	Not flammable Not flammable	A ₂ -s1, d0 M0	– –	EN 13501-1 NF
Application temperature	–	300*	°C	EN ISO 8497
Top application temperature limit	–	500	°C	EN 14707
Max. temperature of the lining surface	–	≤ 100	°C	–
Specific heat capacity	C _p	0.84	kJ/(kg·K)	–
Water permeability (WS 1)	Water absorption	< 1	kg/m ²	EN 13472
Water vapour permeability	Water vapour transmission MV1	S _d > 100	m	EN 13469
Chloride ion content	produced inS quality	≤ 10	mg/kg	EN 13468
Insulating material reference number	–	10.04.02.50.99	–	AGI Q 132
Impedance (length-related)	–	> 30	kPa·s/m ²	EN 29053
Speciality	Halogen free	Aluminium lining Sealing tape Glass wool (Chloride/bromide)	no halogen no halogen ≤ 10mg/kg = (≤ 0.01 ‰)	– – DIN / VDE 0472 Part 815

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

Pipes without silicones oils and waxes are also available on request.

* The temperature on the aluminium facing should not exceed <100°C.
From 250 °C on the binder begins to volatilise. This does not weaken the material's insulation capacity.



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.