

TEMPMAX™ BLANKET

TempMax™ blanket is high strength, needled insulating blanket that is made from TempMax™ bulk. The blanket contains no organic binders or other additives. The blanket resists corrosion, oxidation and reduction. TempMax™ blanket is widely used in the field of high-temperature insulation in various industries.



Features

- Excellent thermal shock resistance
- Excellent thermal stability
- High tensile strength
- Low thermal conductivity
- Low shot content

Typical Applications

- Furnace hot face lining in high-temperature industries
- Back-up insulation
- Burner block wraps
- Expansion joints
- Gaskets in furnaces

Typical Parameters

Description	TEMPMAX™ BLANKET
Classification Temperature (°C)	1600
Continuous Temperature Use Limit (°C)	1500
Chemical Composition (%)	
Al ₂ O ₃	71-73
SiO ₂	27-29
Leachable Chlorides	Trace
Color	White
Density (kg/m ³)	96/128
Tensile Strength (kPa)	≥80
Permanent Linear Shrinkage (%)	1400°C x24h<1.0
Thermal Conductivity (W/m-K)	
400°C	0.09
600°C	0.16
800°C	0.22
1000°C	0.28
1200°C	0.36
1400°C	0.45

The data shown are typical average results of tests under standard procedures and are subject to variation. Results should not be used for specification purposes or creating any contractual obligation. For more information on the safety application or materials, please refer to the work practices and material safety data sheet.