

ISOWOOL BSSR® Blanket

20121105

Introduction

Isowool BSSR is Bio-Soluble Fiber developed by Isolite unique production technology and its maximal service temperature is 1100°C. Isowool BSSR Blanket meets European regulatory requirement(Directive 97/69/EC NoteQ) and German classification scheme TRGS905.

Isowool BSSR Blanket is lightweight and flexible insulating products and the products are bound without organic binder, having no risk of burning out and corrosion to the atmosphere during high temperature furnace operation. Isowool BSSR Blanket is used for wide applications: incombustible materials, insulating materials, filtering materials, sealing and packing materials.

Characteristic Features

- Excellent thermal insulation
- Very good flexibility
- High temperature stability
- Non smoke and corrosion without organic binder
- Isowool BSSR Fiber is not covered by carcinogenic category that International Agency for Reserch on Cancer(IARC) enacts

Typical Applications

- Fire protection
- Boiler and turbine insulation linings
- Fuel cell insulation
- Automotive parts heat shields
- Furnace and kiln sealing, packing and back-up insulation

Typical Product Properties

		Isowool BSSR® Blanket	
Max. Service Temp °C		1,100	
Density kg/ m ³		96	128
Shot Content % +212 μm		15	
Linear Shrinkage % at 1,100°C x 24hrs		0.8	
Thermal Conductivity W/mK (JIS A1412-1)	200°C	0.06	0.05
	400°C	0.11	0.10
	600°C	0.20	0.18
	800°C	0.31	0.28
Chemical Composition %	SiO ₂	72	
	CaO+MgO	24	
	Others	4	

※Data are average results of tests conducted under standard procedures and are subject to variation. Results should not be used for specification purposes.

Standard size

Standard size	(Length X Width X Thickness) mm
12.5mm thickness	7200 X 600 X 12.5
25mm thickness	7200 X 600 X 25
50mm thickness	3600 X 600 X 50