

## MICROPOROUS BOARD

Luyang Microporous Board is composed of inorganic oxides, based on advanced microporous insulation technology. Luyang Microporous Board is an efficient insulation product. The thermal conductivity is lower than still air. Luyang Microporous Hard Board has high compressive strength, formed by special compressing process. It is covered with aluminum foil or PE foil. Luyang Microporous Soft Board is flexible and can be used as insulation materials for various kinds of pipes and complex spaces. It is covered with glass fiber cloth.



### Features

- Excellent thermal shock resistance
- Excellent thermal stability
- Low thermal conductivity
- Low heat storage
- Non-combustibility

### Typical Applications

- Back-up insulation in high-temperature furnaces
- Pipe insulation
- Appliances insulation
- Fire protection equipment
- Electronic devices

### Typical Parameters

Description	MICROPOROUS HARD BOARD	MICROPOROUS SOFT BOARD
Maximum Temperature of Use (°C)	950	950
Recommended Temperature of Use (°C)	900	900
Density (kg/m <sup>3</sup> )	280/300	260/300
Modules of Rupture (MPa)	≥0.15	-
Compressive Strength (MPa, 10% relative deformation)	≥0.3	-
Permanent Linear Shrinkage (%)	900°C x24h≤2.0	900°C x24h≤2.0
Thermal Conductivity (W/m·K)		
100°C	0.020	0.022
200°C	0.023	0.025
300°C	0.026	0.027
400°C	0.027	0.029
500°C	0.032	0.033
600°C	0.034	0.036
800°C	0.044	0.046
Covering Material	Aluminum Foil/PE Foil	Glass Fiber Cloth
Size (mm)	600x400x(10-50)	600x400x(5-10)
	1000x500x(10-50)	1000x500x(5-10)

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.