

# Product Information Sheet



## Lo-Con Board RNP 061

### DESCRIPTION

**Lo-Con Board RNP 061** is a high-tech material, which integrates the high insulating power of micro ceramic fiber with specially developed compounds to yield a high insulating power equipment.

Used mainly where an extremely insulating product is required.

**Lo-Con Board RNP 061** has the following properties:

- Stability at high temperatures;
- Ultra low thermal conductivity;
- Low heat storage;
- Low weight;
- Temperature continuous use: up to 1260°C;
- Resistant to thermal shock;
- High heat reflection;
- Product easy machinability;
- Good mechanical strength;
- Manufactured in Alkegen Brazil

### CHEMICAL PROPERTIES

**Lo-Con Board RNP 061** has excellent chemical stability, resisting attack from most acids and corrosive agents.

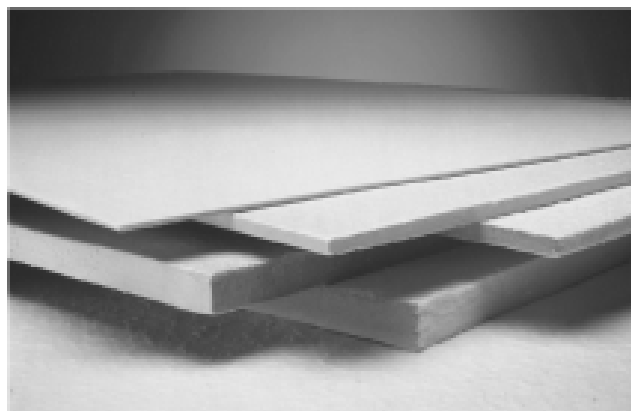
Exceptions are hydrofluoric acid, phosphoric, hydrochloric, sulfur and also to concentrated alkalis. They are also resistant to oxidizing or reducing atmospheres.

If wet by water, steam or oil, thermal and physical properties are restored upon drying; It does not contain water in its final constitution and are free of asbestos.

The organic binders begin their burning around 170°C and continue up to 540°C, and after that the plates are totally free of carbides.

### OTHER FORMATS

In addition to the boards, you can also manufacture parts as straight tubes, conical and other special formats.



### TYPICAL PHYSICAL PROPERTIES

• Color	White
• Temperature class	*750°C
• Melting Point	1000°C
• Basic composition	65 % SiO <sub>2</sub> - 35 % Al <sub>2</sub> O <sub>3</sub>
• Density	160 to 210 kg/m <sup>3</sup>
• Typical modulus of rupture	15,4 x 10 <sup>5</sup> N/m <sup>2</sup>

### THERMAL CONDUCTIVITY

Temperatures	W/mK
200 °C (392 °F)	0,019
400 °C (752 °F)	0,021
600 °C (1112 °F)	0,026
800 °C (1472 °F)	0,034

The Lo-Con Boards are available in:

Thickness mm	6, 10, 13, 25, 38 and 51
Width x Length	610 x 1220 mm

### TYPICAL APPLICATIONS

- Specifics Isolation
- Backup insulation
- Special pieces (straight tubes, conical, etc).

Note: All product data is nominal and does not represent a specification. All data and statements concerning these products may be considered as being indicative of representative properties and characteristics obtainable. We make no warranty, expressed or implied, concerning actual use or results because of industry specific influences.

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