

E-mail generale: [info@deltaphoenix.it](mailto:info@deltaphoenix.it)  
Laboratorio: [tech@deltaphoenix.it](mailto:tech@deltaphoenix.it)  
Amministrazione: [admin@deltaphoenix.it](mailto:admin@deltaphoenix.it)  
[www.deltaphoenix.it](http://www.deltaphoenix.it)

**ISOPLAST PH61**  
**Insulating plastic material in ceramic fibre**  
**TECHNICAL DATA SHEET**

Main Component :	Ceramic fibre
Maximum use temperature:	[°C] 1700
Melting point:	[°C] 1810
Chemical analysis:	[%] Al <sub>2</sub> O <sub>3</sub> +TiO <sub>2</sub> : 73 - 76
	[%] SiO <sub>2</sub> : 23 - 26
	[%] Na <sub>2</sub> O+K <sub>2</sub> O: 1.0 – 2.0
Installation quantity:	[kg/m <sup>3</sup> ] 1850
Density after drying at 1000 °C:	[kg/m <sup>3</sup> ] 1100 - 1200
Thermal conductivity:	[W/(m·K)] 400 [°C]: 0,11
	[W/(m·K)] 1000 [°C]: 0,23
	[W/(m·K)] 1350 [°C]: 0,29
Thermal expansion at 1000 °C:	[%] 0.6
Expansion (+) or shrink (-) after firing at:	[%] 150 [°C]: 0
	[%] 1000 [°C]: -0.1
	[%] 1500 [°C]: -1.5
Compressive strength after firing at:	[N/mm <sup>2</sup> ] 150 [°C]: 1.27
	[N/mm <sup>2</sup> ] 1000 [°C]: 2.45
	[N/mm <sup>2</sup> ] 1500 [°C]: 4.70
Application:	By hand and/or by trowel
Drying and firing:	150 [°C]

**NOTES:**

Packing: Plastic Barrels of 30 kg

Preservation: 12 months in its own packing and far from heat sources. Storage temperature: 5-35 °C

N.B.: DO NOT FREEZE

Main appliances:

- Coating of ladles for steel, pig iron and non ferrous metals
- Repair of any insulate of refractory masonry
- Covering of burner lids for steel ladles heating

Considering the quality of the raw materials, there can be slight differences in the above data which do not commit our technical department. We reserve the right to change some of the above data without previous information and according to our unobjectionable judgement.