



RS.IS.418 P

Type of Product: Insulating Fire Brick (Perlite Base)

Physical Properties:

Max Service Temperature (°C)	850
Bulk Density (Kg/m ³)	400 - 480
Cold Crushing Strength (Kg/Cm ²)	≥ 8
Linear shrinkage after reheating at 800°C for 24 hours (%)	≤ 1.5

Thermal Conductivity (Kcal/m.h.°C):

@ 400 °C	0.15 - 0.17
@ 600 °C	0.17 - 0.19

Chemical Analysis (%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃
13 - 16	69 - 73	1 - 1.5

- The above data are typical of the properties of commercial standard brick.
- The data are subject to reasonable variations and therefore should not be used for specification purposes.
- ASTM Test Methods, where applicable, used for determination of data.

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