

## INSULVAC 1600 P VACUUM FORMED SHAPES

### Description

**Insulvac 1600 P vacuum formed products** are manufactured using high quality polycrystalline fibres, specially selected fillers and inorganic or organic binder systems. Our in-house machining facilities allow for precise finishing of shapes to customer requirements. Pre-firing can be carried between 800°C and 1200°C. Typical Applications are burner blocks, sinter furnaces, combustion chambers, etc.

### General characteristics

**Insulvac 1600 P vacuum formed products** are low weighted, have high temperature stability, a low thermal conductivity and have an excellent resistance to thermal shock.

Chemical Analysis (%)	
SiO <sub>2</sub>	19 - 23
Al <sub>2</sub> O <sub>3</sub>	77 - 81
Physical properties	
Colour	White
Product Density (kg/m <sup>3</sup> )*	350-500
Use Limit (°C)*	1600
Loss on ignition (wt.%)	<4.0
Thermal conductivity (W/mK)	
Mean Temp.	
600°C	0.17
800°C	0.21
1000°C	0.24
1200°C	0.32
1400°C	-
Permanent Linear Shrinkage (%) 24 hour Soak	
1300°C	1.3
1400°C	1.4
1500°C	1.5
1600°C	2.5

### Special Grades

- F = Pre-Fired
- CO = Coating
- WR = Water Repellent