



TECHNICAL DATASHEET

SK30

CLASSIFICATION	FIRECLAY BRICK		
PHYSICAL PROPERTIES			
	Pyrometric Cone Equivalent	Orton Cone	29-30
	Refractoriness	°C	1670
	Bulk Density	kg/m ³	2140-2150
	Apparent Porosity	%	19.0-20.0
	Cold Crushing Strength	kg/cm ²	220-250
	Modulus of Rupture	kg/cm ²	55-70
Permanent Linear Change after heating at 1400 °C	%	0.0-0.06	
THERMAL EXPANSION	at 800 °C	Kcal/m.hr °C	0.53
	at 1000 °C	Kcal/m.hr °C	0.58
	at 1200 °C	Kcal/m.hr °C	0.68
	at 1400 °C	Kcal/m.hr °C	0.69
CHEMICAL COMPOSITION APPROX. (%)	Silica (SiO ₂)	%	64.1
	Alumina (Al ₂ O ₃)	%	31.8
	Iron Oxide (Fe ₂ O ₃)	%	1.9
	Calcium Oxide (CaO)	%	0.4
	Alkalines (Na ₂ O+K ₂ O+Li ₂ O)	%	0.5

The data cannot be used for specification and guarantee purpose – reasonable variances in data can be expected. Product data is update periodically to reflect product / raw material / process / testing changes. Please contact BST's representative for the most updated data.

We are refractory solutions