



TECHNICAL DATASHEET

SK36

CLASSIFICATION	SUPER DUTY HIGH ALUMINA BRICK		
PHYSICAL PROPERTIES			
	Pyrometric Cone Equivalent	Orton Cone	35-36
	Refractoriness	°C	1785
	Bulk Density	kg/m ³	2460-2480
	Apparent Porosity	%	18.0-19.0
	Cold Crushing Strength	kg/cm ²	450-480
	Modulus of Rupture	kg/cm ²	70-80
Permanent Linear Change after heating at 1400 °C	%	+0.5	
THERMAL EXPANSION	at 800 °C	Kcal/m.hr °C	0.38
	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	0.80
CHEMICAL COMPOSITION APPROX. (%)	Silica (SiO ₂)	%	35.2
	Alumina (Al ₂ O ₃)	%	61.1
	Iron Oxide (Fe ₂ O ₃)	%	1.4
	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