

KB 60 PB

Classification	High-Alumina Brick, Phosphate Bonded		
Physical Properties	Refractoriness	Orton Cone	35-36
	Bulk Density	kg/m ³	2610
	Apparent Porosity	%	13.1
	Cold Crushing Strength	kg/cm ²	800
	Modulus of Rupture	kg/cm ²	130
	Permanent Linear Change After Heating at 1600 °C	%	2.70
	Chemical Composition	Alumina (Al ₂ O ₃)	%
Silica (SiO ₂)		%	34.0
Iron Oxide (Fe ₂ O ₃)		%	1.5
Titania (TiO ₂)		%	1.5
Phosphorus Pentoxide (P ₂ O ₅)		%	2.0
Thermal Expansion	400 °C	%	0.27
	800 °C	%	0.41
	1000 °C	%	0.54
	1200 °C	%	0.68
	1400 °C	%	0.83
Thermal Conductivity	400 °C	(W/m.K)	1.62
	600 °C	(W/m.K)	1.62
	800 °C	(W/m.K)	1.63
	1000 °C	(W/m.K)	1.67

The above data are typical properties of 9" commercial straight brick. The data are subjected to reasonable variations and should not be used for specification purposes.

ASTM test methods, and SRIC's written procedure, where applicable, used for determination of data.

THE SIAM REFRACTORARY INDUSTRY CO., LTD.

1 Siam Cement Road, Bangsue, Bangkok 10800 Thailand Tel. (+66 2) 586-3242-53 Fax. (+66 2) 586-2982, 587-2149

