

AnDura 70

Classification	Andalusite Base		
Physical Properties	Refractoriness	Orton cone	36-37
	Bulk Density	kg/m ³	2620
	Apparent Porosity	%	15.0
	Cold Crushing Strength	kg/cm ²	650
	Modulus of Rupture	kg/cm ²	150
	Permanent Linear Change After Heating at 1500 °C	%	0.10
	Refractoriness Under Load, T _{0.5} :0.2 Mpa	°C	1650
	T _{2.0} :0.2 Mpa	°C	1700
	Creep Test : 0.2 MPa x 50 hrs. at 1350 °C	%	0.2
Chemical Composition	Alumina (Al ₂ O ₃)	%	70.0
	Silica (SiO ₂)	%	28.5
	Iron Oxide (Fe ₂ O ₃)	%	0.8
	Titania (TiO ₂)	%	0.1
Thermal Expansion	at 400 °C	%	0.31
	at 800 °C	%	0.45
	at 1000 °C	%	0.58
	at 1200 °C	%	0.72
	at 1400 °C	%	0.87
Thermal Conductivity	at 400 °C	W/m.K	1.85
	at 600 °C	W/m.K	1.85
	at 800 °C	W/m.K	1.85
	at 1000 °C	W/m.K	1.87

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.

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