

# AnDura 60

<b>Classification</b>	Andalusite Base		
<b>Physical Properties</b>	Refractoriness	Orton cone	36
	Bulk Density	kg/m <sup>3</sup>	2520
	Apparent Porosity	%	14.5
	Cold Crushing Strength	kg/cm <sup>2</sup>	550
	Modulus of Rupture	kg/cm <sup>2</sup>	100
	Hot Modulus of Rupture at 1200 °C	kg/cm <sup>2</sup>	160
	Hot Modulus of Rupture at 1350 °C	kg/cm <sup>2</sup>	70
	Permanent Linear Change After Heating at 1400 °C	%	0.2
	Refractoriness Under Load, T <sub>0.5</sub> : 0.2 Mpa	°C	1630
	T <sub>2.0</sub> : 0.2 Mpa	°C	1680
	Creep Test : 0.2 MPa x 50 hrs. at 1280 °C	%	0.10
	: 0.2 MPa x 50 hrs. at 1350 °C	%	0.25
	<b>Chemical Composition</b>	Alumina (Al <sub>2</sub> O <sub>3</sub> )	%
Silica (SiO <sub>2</sub> )		%	36.0
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )		%	1.0
Titania (TiO <sub>2</sub> )		%	0.2
<b>Thermal Expansion</b>	at 400 °C	%	0.17
	at 800 °C	%	0.34
	at 1000 °C	%	0.44
	at 1200 °C	%	0.54
	at 1400 °C	%	0.67
<b>Thermal Conductivity</b>	at 400 °C	W/m.K	1.60
	at 600 °C	W/m.K	1.60
	at 800 °C	W/m.K	1.60
	at 1000 °C	W/m.K	1.65

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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