

# AnDura 50

<b>Classification</b>	Andalusite Based		
<b>Physical Properties</b>	Refractoriness	Orton cone	35-36
	Bulk Density	kg/m <sup>3</sup>	2450
	Apparent Porosity	%	13.0
	Cold Crushing Strength	kg/cm <sup>2</sup>	500
	Modulus of Rupture	kg/cm <sup>2</sup>	130
	Hot Modulus of Rupture at 1200 °C	kg/cm <sup>2</sup>	150
	at 1350 °C	kg/cm <sup>2</sup>	65
	Refractoriness Under Load, T <sub>0.5</sub> : 0.2 Mpa	°C	1530
	T <sub>2.0</sub> : 0.2 Mpa	°C	>1620
	Creep Test : 0.2 MPa x 50 hrs. at 1280 °C	%	0.15
	<b>Chemical Composition</b>	Alumina (Al <sub>2</sub> O <sub>3</sub> )	%
Silica (SiO <sub>2</sub> )		%	43.5
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )		%	1.2
Titania (TiO <sub>2</sub> )		%	0.4
Alkalies (Na <sub>2</sub> O+K <sub>2</sub> O)		%	0.5
Magnesia (MgO)		%	0.2
Lime (CaO)		%	0.1

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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