

<b>SHAPED PRODUCT</b>	<b>TZ-30</b>
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<b>CLASSIFICATION</b> UNE EN ISO 10081 UNE-EN 12475-4	Dense firebrick, chemistry-ceramic bonded. Base sinterized alumina and zircon. Group AZS 30
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REFERENCE		1019	738.RC	GROUP	FAMILY	STANDARD
				DE	65	

**CHEMICAL AVERAGE ANALYSIS (Obs "A")**

Al <sub>2</sub> O <sub>3</sub>	49,0	%
SiO <sub>2</sub>	18,5	%
Fe <sub>2</sub> O <sub>3</sub>	0,1	%
CaO	0,05	%
ZrO <sub>2</sub>	31,1	%

**PHYSICAL PROPERTIES**

<b>Classification Temperature</b>	1650	°C	
<b>Aparent density (dense material)</b>	3,35	Kg./dm <sup>3</sup>	EN 993-1
<b>Open porosity (dense material)</b>	12,0	%	EN 993-1
<b>Cold crushing strength:</b>			
<b>Dense material</b>	500	Kg./cm <sup>2</sup>	EN 993-5
<b>Softening under load</b>	1620	°C	EN ISO 1893
<b>Sudden change in temperature</b>	25	Cycles	PRE / R.5.1
<b>Linear reversible dilation</b>	1000 °C	0,60	%
<b>Thermal conductivity</b>	400 °C	1,20	W/m.K
	800 °C	1,40	W/m.K
	1200 °C	1,70	W/m.K

"A" Alternative method= Spectrometry by FRX

Applicable standards indicated. Other standards prior arrangements.  
The technical characteristics represent the medium values from reconized essay methods of standard materials; they are under the normal variations of manufacturins and should not be considered like specifications.

**EQUIVALENCES**

1 N/mm<sup>2</sup> = 1 MPa = 10,2 kg/cm<sup>2</sup>  
1 kg/cm<sup>2</sup> = 0,098 MPa = 0,098 N/mm<sup>2</sup>  
1 W/mK = 0,86 kcal/mhK  
1 Kcal/mK = 1,16 W/mK