

SHAPED PRODUCT	TZ-18
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CLASSIFICATION UNE EN ISO 10081 UNE-EN 12475-4	Dense firebrick, chemistry-ceramic bonded. Base corundum and zircon. Group AZS 15
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REFERENCE	932604	0513	306.IC	GROUP	FAMILY	STANDARD
				DE	65	

CHEMICAL AVERAGE ANALYSIS (Obs "A")

Al₂O₃	70,2	%
SiO₂	9,5	%
Fe₂O₃	0,15	%
CaO	0,05	%
ZrO₂	18,0	%

PHYSICAL PROPERTIES

Classification Temperature	1680	°C	
Aparent density (dense material)	3,40	Kg./dm ³	EN 993-1
Open porosity (dense material)	15,0	%	EN 993-1
Cold crushing strength:			
Dense material	650	Kg./cm ²	EN 993-5
Softening under load	1620	°C	EN ISO 1893
Sudden change in temperature	25	Cycles	PRE / R.5.1
Linear reversible dilation	1000 °C	0,60	%
Thermal conductivity	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/mm² = 1 MPa = 10,2 kg/cm²
1 kg/cm² = 0,098 MPa = 0,098 N/mm²
1 W/mK = 0,86 kcal/mhK
1 Kcal/mK = 1,16 W/mK