

SHAPED PRODUCT

I-9

CLASSIFICATION UNE EN ISO 10081 UNE-EN 12475-4	Dense firebrick, ceramic bonded. Base silicon carbide. Group SIC 80
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REFERENCE		0515	479.RC	GROUP	FAMILY	STANDARD
				LD	65	

CHEMICAL AVERAGE ANALYSIS (Obs "A")

SiC	85,0	%
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PHYSICAL PROPERTIES

Classification Temperature	1480	°C	
Aparent density (dense material)	2,55	Kg./dm3	EN 993-1
Open porosity (dense material)	16,0	%	EN 993-1
Cold crushing strength:			
Dense material	600	Kg./cm2	EN 993-5
Sudden change in temperature	40	Cycles	PRE / R.5.1
Linear reversible dilation	1000 °C	0,40	%
Thermal conductivity	400 °C	6,75	W/m.K
	800 °C	6,95	W/m.K
	1200 °C	7,20	W/m.K

OBSERVATIONS

Old I-90, TCS-90

"A" Alternative method= Spectrometry by FRX

Applicable standards indicated. Other standards prior arrangements.

The thecnical characterics represent the medium values from reconized essay methods of standard materials; they are under the normal variations ofmanufacturins 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