

SHAPED PRODUCT	PI-80
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CLASSIFICATION UNE EN ISO 10081 UNE-EN 12475-4	Cast and fired refractory shape of LCC concrete. Base calcined bauxite. Class 1600°C
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REFERENCE	930865	0915	165.IC	GROUP	FAMILY	STANDARD
				DE	30	

CHEMICAL AVERAGE ANALYSIS (Obs "A")

Al ₂ O ₃	82,5	%
SiO ₂	14,0	%
Fe ₂ O ₃	1,3	%
CaO	2,1	%

PHYSICAL PROPERTIES

Classification Temperature	1630	°C	
Apparent density (dense material)	2,82	Kg./dm ³	EN 993-1
Open porosity (dense material)	19,0	%	EN 993-1
Cold crushing strength:			
Dense material	690	Kg./cm ²	EN 993-5
Softening under load	1440	°C	EN ISO 1893
Sudden change in temperature	25	Cycles	PRE / R.5.1
Linear reversible dilation	1000 °C	0,50	%
Thermal conductivity	400 °C	1,60	W/m.K
	800 °C	1,65	W/m.K
	1200 °C	1,80	W/m.K

OBSERVATIONS

Test of preformed pieces s/ EN 1402.7

"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