

SHAPED PRODUCT	PI-60
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CLASSIFICATION UNE EN ISO 10081 UNE-EN 12475-4	Cast and fired refractory shape or LCC concrete. Base calcined fireclay and bauxite. Class 1500°C
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REFERENCE		0419	180.IC	GROUP	FAMILY	STANDARD
				DE	30	

CHEMICAL AVERAGE ANALYSIS (Obs "A")

Al ₂ O ₃	58,5	%
SiO ₂	37,0	%
Fe ₂ O ₃	1,1	%
CaO	2,4	%

PHYSICAL PROPERTIES

Classification Temperature	1550	°C	
Apparent density (dense material)	2,46	Kg./dm ³	EN 993-1
Open porosity (dense material)	20,0	%	EN 993-1
Cold crushing strength:			
Dense material	760	Kg./cm ²	EN 993-5
Softening under load	1470	°C	EN ISO 1893
Sudden change in temperature	25	Cycles	PRE / R.5.1
Linear reversible dilation	1000 °C	0,30	%
Thermal conductivity	400 °C	1,25	W/m.K
	800 °C	1,40	W/m.K
	1200 °C	1,70	W/m.K

OBSERVATIONS

Test of preformed pieces s/ EN ISO 1927-7

"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