

PRODUCT NOT CONFORMED**PYROFORM SIC-60****CLASIFICACION
ISO 1927-1**

Dense hydraulic refractory concrete.
 Base silicon carbide.
 Application by casting and compaction by rod or vibrated.
 Class 1500°C

REFERENCE	935537	0513	483.RT	GROUP	FAMILY	STANDARD
				NC	6	

AVERAGE CHEMICAL ANALYSIS (Obs "A")

Al₂O₃	28,0	%
SiO₂	5,0	%
Fe₂O₃	1,5	%
CaO	7,0	%
Sic	60,0	%

PHYSICAL PROPERTIES

Classification temperature		1500	°C	ISO 1927-1
Bulk density	Dry 110°C	2,30	Kg./dm ³	ISO 1927-6
Compressive strenght	Dry 110°C	300	Kg./cm ²	ISO 1927-6
	Stew 800°C	250	Kg./cm ²	ISO 1927-6
	Stew 1200°C	280	Kg./cm ²	ISO 1927-6
Subsidence under	T2	1480	°C	ISO 1927-6
Reversible linear expansion	1000°C	0,70	%	
Thermal conductivity to average temperature	400°C	4,06	W/m.K	ISO 1927-8
	800°C	3,48	W/m.K	ISO 1927-8
	1200°C	3,13	W/m.K	ISO 1927-8
Kneaded water of		12,5	%	ISO 1927-4

OBSERVATIONS

Refractory concrete rich in silicon carbide, resistant to alcalis and dregs.
 Attention to the oxidation.
 Storage limit 8 months in dry warehouse.

"A" alternative Method = Spectrometry by FRX

The technical characteristics represent the obtained average values according to methods of tests recognized on standardized materials; they are put under the normal variations of manufacture and they do not have to be taken like specifications. The data of density and compressive strenght will not be valid for manual productions.

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