

PRODUCT NOT CONFORMED

PYROFORM TIX-600-T

CLASIFICACION ISO 1927-1	Dense hydraulic LCC refractory concrete. Base silicon carbide. Aplication by casting and compaction by vibration. Class 1600°C
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REFERENCE	936012	0119	1146.RT	GROUP	FAMILY	STANDARD
				NC	13	

AVERAGE CHEMICAL ANALYSIS (Obs "A")

Al2O3	15,0	%
SiO2	22,0	%
Fe2O3	0,4	%
Sic	60,0	%

PHYSICAL PROPERTIES

Classification temperature		1650	°C	ISO 1927-1	
Bulk density	Dry 110°C	2,40	Kg./dm3	ISO 1927-6	
Open Porosity	Dry 110°C	19,00	%	ISO 1927-6	
Compressive strenght	Dry 110°C	300	Kg./cm2	ISO 1927-6	
	Stew 800°C	400	Kg./cm2	ISO 1927-6	
	Stew 1200°C	680	Kg./cm2	ISO 1927-6	
Reversible linear expansion	1000°C	0,65	%		
Permanent Linear Variation	1200°C	-	0,29	%	ISO 1927-6
Thermal conductivity to average temperature	400°C	6,50	W/m.K	ISO 1927-8	
	800°C	6,24	W/m.K	ISO 1927-8	
	1200°C	6,46	W/m.K	ISO 1927-8	
Kneaded water of		8,5	%	ISO 1927-4	

OBSERVATIONS

Thixotropic refractory concrete of high silicon carbide content, resistant to alcalis and dregs.
Forced kneader and to vibrate well.
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