

PRODUCT NOT CONFORMED**PYROFORM TIX-900-F3**

CLASSIFICATION ISO 1927-1	Dense hydraulic LCC refractory concrete. Base silicon carbide. Application by casting and compaction by vibration. Class 1600°C
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REFERENCE	936020	1019	969.RT	GROUP	FAMILY	STANDARD
				NC	13	

AVERAGE CHEMICAL ANALYSIS (Obs "A")

Al₂O₃	4,5	%
SiO₂	8,4	%
CaO	1,6	%
Sic	84,2	%

PHYSICAL PROPERTIES

Classification temperature	1600	°C	ISO 1927-1
Bulk density	Dry 110°C	2,48	Kg./dm ³ ISO 1927-6
Compressive strenght	Dry 110°C	470	Kg./cm ² ISO 1927-6
	Stew 800°C	460	Kg./cm ² ISO 1927-6
	Stew 1200°C	720	Kg./cm ² ISO 1927-6
Thermal conductivity to average temperature	400°C	9,82	W/m.K ISO 1927-8
	800°C	8,76	W/m.K ISO 1927-8
	1200°C	8,46	W/m.K ISO 1927-8
Kneaded water of	7,5	%	ISO 1927-4
Size of the grain	3,0	mm.	

OBSERVATIONS

Thixotropic refractory concrete of very high content in silicon carbide.
Very resistant to alcalis. Attention to the oxidating atmosphere.
To knead in forced kneader. 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