



TECHNICAL DATA SHEET

IDENTIFICATION

Product reference: IRONFFIL
Description: Ceramic foam filters.
Date: 1st-July-2008

USE

For the filtration of molten iron and its alloys.

PHYSICAL PROPERTIES

Property	Method	Unit	Limits
Porosity	-	%	>= 80
Compression strength	-	Mpa at room Temp.	>= 1.0
Volume density	-	g/m ³	<= 0.5
Thermal shock resistance	-	°C	1300°C~20°C, 3 times
Refractoriness	-	°C	1710

CHEMICAL CONTENT

item	wt%
SiC	68 min
Al ₂ O ₃	29 min
SiO ₂	3 max

DIMENSIONS

Thickness 0/-2.0 mm
Length/Diameter +0.5/-1.5mm for length/diameter < 100mm
+0.5/-2.5mm for length/diameter ≥ 100mm

APPEARANCE REQUIREMENTS

No cracking allowed across the full length of the edge
Pore size 10 PPI ± 3 PPI
Any fine cracks within the filter matrix may not be through-going
Filters should be grey in appearance
Filters should be free from loose debris

Remark: Manguitos Arrosi, S.L. declines all responsibility if these products are used in other applications they were made for, agreed and officially approved by the customer.

Stamp and signature

