



PRODUCT DATA SHEET

Product Brand:	iCARB-AM1-M20-C07-AS4
Product Type:	Alumina Magnesia Carbon Brick
Product Description:	Carbon bonded brick based on a blend of sintered Bauxite, sintered Magnesia and natural Flake Graphite , with anti-oxidant additions.

Control Properties:

As Received:				
Test Property	Test Method	Units	Typical	
Bulk Density:	DIN EN 993-1	g/cm ³	2.88	
Apparent Porosity:	DIN EN 993-1	%	6.3	
Cold Crushing Strength:	DIN EN993-5	N/mm ²	60	
Coked: (2hrs at 1000 °C)				
Bulk Density:	DIN EN 993-1	g/cm ³	2.83	
Apparent Porosity:	DIN EN 993-1	%	13.3	
Cold Crushing Strength:	DIN EN993-5	N/mm ²	35	
P.L.C	PRE/R 19	%	-0.1	
Chemical Analysis: The presence of anti-oxidants can affect any analysis on an ignited basis *				
Residual Carbon	ASTM C831-98	%	7.00*	
Al ₂ O ₃	DIN EN 955-5	%	64.07	
Fe ₂ O ₃	DIN EN 955-5	%	1.17	
SiO ₂	DIN EN 955-5	%	5.14	
TiO ₂	DIN EN 955-5	%	2.54	
MgO	DIN EN 955-5	%	19.73	
CaO	DIN EN 955-5	%	0.35	

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Version: 01	The values given are indicative of expected property values for product tested. Please note this data is supplied for information only and as such does not constitute a product specification	Print Date : 2021-09-28
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