



PRODUCT DATA SHEET

Product Brand:	iCARB-AM3-M20-C07-AS4
Product Type:	Alumina Magnesia Carbon Brick
Product Description:	Carbon bonded brick based on a blend of Fused Alumina, Fused Magnesia and natural Flake Graphite , with anti-oxidant additions.

Control Properties:

<u>As Received:</u>				
Test Property	Test Method	Units	Typical	
Bulk Density:	DIN EN 993-1	g/cm ³	3.00	
Apparent Porosity:	DIN EN 993-1	%	5.1	
Cold Crushing Strength:	DIN EN993-5	N/mm ²	65	
<u>Coked:</u> (2hrs at 1000 °C)				
Bulk Density:	DIN EN 993-1	g/cm ³	2.95	
Apparent Porosity:	DIN EN 993-1	%	12.1	
Cold Crushing Strength:	DIN EN993-5	N/mm ²	38	
P.L.C	PRE/R 19	%	-0.1	
<u>Chemical Analysis:</u> 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	%	68.53	
Fe ₂ O ₃	DIN EN 955-5	%	0.38	
SiO ₂	DIN EN 955-5	%	2.29	
TiO ₂	DIN EN 955-5	%	1.67	
MgO	DIN EN 955-5	%	19.74	
CaO	DIN EN 955-5	%	0.39	

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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 : 2021-09-26
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