



## PRODUCT DATA SHEET

<b>Product Brand:</b>	<b>iCARB-MF9-C14-A3</b>
<b>Product Type:</b>	<b>Magnesia Carbon Brick</b>
<b>Product Description:</b>	Carbon bonded brick based on ultra high purity large crystal fused magnesia and ultra high purity natural flake graphite, with anti-oxidant additions

### Control Properties:

<b><u>As Received:</u></b>					
Test Property	Test Method	Units	Typical		
Bulk Density:	DIN EN 993-1	g/cm <sup>3</sup>	2.96	Industrial Technologies & Energy	
Apparent Porosity:	DIN EN 993-1	%	2.8		
Cold Crushing Strength:	DIN EN993-5	N/mm <sup>2</sup>	45		
<b><u>Coked:</u> ( 2hrs at 1000 °C )</b>					
Bulk Density:	DIN EN 993-1	g/cm <sup>3</sup>	2.91		
Apparent Porosity:	DIN EN 993-1	%	8.7		
Cold Crushing Strength:	DIN EN993-5	N/mm <sup>2</sup>	25		
P.L.C	PRE/R 19	%	-0.1		
<b><u>Chemical Analysis:</u></b> ( The presence of antioxidants will affect any analysis on an ignited basis )*					
Residual Carbon	ASTM C831-98	%	14.00*		
MgO	DIN EN 955-5	%	79.28		
SiO <sub>2</sub>	DIN EN 955-5	%	0.51		
CaO	DIN EN 955-5	%	0.92		
Fe <sub>2</sub> O <sub>3</sub>	DIN EN 955-5	%	0.48		
Al <sub>2</sub> O <sub>3</sub>	DIN EN 955-5	%	4.82		

<b>Version: 01</b>	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	<b>Print Date : 2021-09-26</b>
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