



## PRODUCT DATA SHEET

<b>Product Brand:</b>	<b>iCARB-MF9-C07-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>	3.09	Industrial Technologies & Energy	
Apparent Porosity:	DIN EN 993-1	%	3.5		
Cold Crushing Strength:	DIN EN993-5	N/mm <sup>2</sup>	60		
<b><u>Coked:</u></b> ( 2hrs at 1000 °C )					
Bulk Density:	DIN EN 993-1	g/cm <sup>3</sup>	3.04		
Apparent Porosity:	DIN EN 993-1	%	9.8		
Cold Crushing Strength:	DIN EN993-5	N/mm <sup>2</sup>	35		
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	%	7.00*		
MgO	DIN EN 955-5	%	86.08		
SiO <sub>2</sub>	DIN EN 955-5	%	0.42		
CaO	DIN EN 955-5	%	0.96		
Fe <sub>2</sub> O <sub>3</sub>	DIN EN 955-5	%	0.49		
Al <sub>2</sub> O <sub>3</sub>	DIN EN 955-5	%	5.05		

**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**