



## PRODUCT DATA SHEET

<b>Product Brand:</b>	<b>iCARB-MF5-C07</b>
<b>Product Type:</b>	<b>Magnesia Carbon Brick</b>
<b>Product Description:</b>	Carbon bonded brick based on large crystal fused magnesia and high purity natural flake graphite.

### Control Properties:

<u>As Received:</u>					
Test Property	Test Method	Units	Typical		
Bulk Density:	DIN EN 993-1	g/cm <sup>3</sup>	3.11	Industrial Technologies & Energy	
Apparent Porosity:	DIN EN 993-1	%	4.0		
Cold Crushing Strength:	DIN EN993-5	N/mm <sup>2</sup>	50		
<u>Coked:</u> ( 2hrs at 1000 °C )					
Bulk Density:	DIN EN 993-1	g/cm <sup>3</sup>	3.06		
Apparent Porosity:	DIN EN 993-1	%	10.3		
Cold Crushing Strength:	DIN EN993-5	N/mm <sup>2</sup>	35		
P.L.C	PRE/R 19	%	-0.1		
<u>Chemical Analysis:</u>					
Residual Carbon	ASTM C831-98	%	7.00		
MgO	DIN EN 955-5	%	89.78		
SiO <sub>2</sub>	DIN EN 955-5	%	0.77		
CaO	DIN EN 955-5	%	1.41		
Fe <sub>2</sub> O <sub>3</sub>	DIN EN 955-5	%	0.66		
Al <sub>2</sub> O <sub>3</sub>	DIN EN 955-5	%	0.38		

<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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