



PRODUCT DATA SHEET

Product Brand:	iCARB-MF5-C14-D
Product Type:	Magnesia Carbon Brick
Product Description:	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 ³	2.99	Industrial Technologies & Energy	
Apparent Porosity:	DIN EN 993-1	%	3.0		
Cold Crushing Strength:	DIN EN993-5	N/mm ²	40		
<u>Coked:</u> (2hrs at 1000 °C)					
Bulk Density:	DIN EN 993-1	g/cm ³	2.94		
Apparent Porosity:	DIN EN 993-1	%	9.0		
Cold Crushing Strength:	DIN EN993-5	N/mm ²	28		
P.L.C	PRE/R 19	%	-0.1		
<u>Chemical Analysis:</u>					
Residual Carbon	ASTM C831-98	%	14.00		
MgO	DIN EN 955-5	%	82.71		
SiO ₂	DIN EN 955-5	%	0.84		
CaO	DIN EN 955-5	%	1.33		
Fe ₂ O ₃	DIN EN 955-5	%	0.64		
Al ₂ O ₃	DIN EN 955-5	%	0.47		

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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