



PRODUCT DATA SHEET

| | |
|-----------------------------|---|
| Product Brand: | iCARB-MF7-C14-AS7 |
| Product Type: | Magnesia Carbon Brick |
| Product Description: | Carbon bonded brick based on a blend of large crystal fused magnesia, high purity large crystal fused magnesia, high purity natural flake graphite, with anti-oxidant additions |

Control Properties:

| As Received: | | | | |
|--|--------------|-------------------|---------|--|
| Test Property | Test Method | Units | Typical | |
| Bulk Density: | DIN EN 993-1 | g/cm ³ | 2.95 | |
| Apparent Porosity: | DIN EN 993-1 | % | 2.9 | |
| Cold Crushing Strength: | DIN EN993-5 | N/mm ² | 40 | |
| Coked: (2hrs at 1000 °C) | | | | |
| Bulk Density: | DIN EN 993-1 | g/cm ³ | 2.90 | |
| Apparent Porosity: | DIN EN 993-1 | % | 9.0 | |
| Cold Crushing Strength: | DIN EN993-5 | N/mm ² | 30 | |
| P.L.C | PRE/R 19 | % | -0.1 | |
| Chemical Analysis: (The presence of antioxidants will affect any analysis on an ignited basis)* | | | | |
| Residual Carbon | ASTM C831-98 | % | 14.00* | |
| MgO | DIN EN 955-5 | % | 78.69 | |
| SiO ₂ | DIN EN 955-5 | % | 2.37 | |
| CaO | DIN EN 955-5 | % | 1.10 | |
| Fe ₂ O ₃ | DIN EN 955-5 | % | 0.54 | |
| Al ₂ O ₃ | DIN EN 955-5 | % | 3.31 | |

Industrial Technologies & Energy

| | | |
|--------------------|--|--------------------------------|
| 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 |
|--------------------|--|--------------------------------|