



Technical Data

N/R® 1202

PERICLASE-CHROME BRICK, DIRECT BONDED

| | | | | | | | | | | | | | | | |
|--|--|--------------------------|-------------------------|-------------------|------|------------------------|-----|-----------|-----|--------------------------------------|-----|--------------------------------------|------|--------------------------------------|------|
| FEATURES | A 60% MgO conventional direct-bonded brick with low silica, good hot strengths and moderately low porosity. Recommended for various metallurgical applications including steel ladles and ladle furnaces, degassers, electric furnace sidewalls and slaglines and copper-nickel converters. | | | | | | | | | | | | | | |
| PHYSICAL PROPERTIES (ASTM procedures used where applicable) | | <u>lb/ft³</u> | <u>kg/m³</u> | | | | | | | | | | | | |
| | Bulk Density: | 192 | 3,059 | | | | | | | | | | | | |
| | Apparent Porosity, %: | 17.5 | | | | | | | | | | | | | |
| | | <u>lb/in²</u> | <u>N/mm²</u> | | | | | | | | | | | | |
| | Modulus of Rupture: | | | | | | | | | | | | | | |
| | At Room Temperature | 740 | 5.1 | | | | | | | | | | | | |
| | At 2700°F (1480°C) | 540 | 3.7 | | | | | | | | | | | | |
| | Hot Load Failure @ 25 lb/in ² : | >3360°F | >1850°C | | | | | | | | | | | | |
| CHEMICAL ANALYSIS (Ignited) | <table border="0"> <tr> <td>MgO (Diff.)</td> <td>62.6</td> </tr> <tr> <td>SiO₂</td> <td>1.7</td> </tr> <tr> <td>CaO</td> <td>1.1</td> </tr> <tr> <td>Al₂O₃</td> <td>6.2</td> </tr> <tr> <td>Cr₂O₃</td> <td>17.6</td> </tr> <tr> <td>Fe₂O₃</td> <td>10.8</td> </tr> </table> | | | MgO (Diff.) | 62.6 | SiO ₂ | 1.7 | CaO | 1.1 | Al ₂ O ₃ | 6.2 | Cr ₂ O ₃ | 17.6 | Fe ₂ O ₃ | 10.8 |
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The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice.

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