



TECHNICAL DATA



RDG-LF-DOL

RESIN BONDED DOLOMITE BRICK

| | | | | | | | | | | | | | | | | |
|---|---|--------------------------|-------------------------|--------------------------|---------------|-----------|----------|---|---------|--------------------------------------|---------|-------------------------|--------------------------|-------------------------|-----|-------|
| <p>FEATURES</p> | <p>High purity sintered dolomite that is sized, blended with a resin system, pressed, and cured to minimize volatiles while retaining excellent ambient temperature strength. RDG-LF-DOL is a denser, more slag resistant sidewall and bottom working lining material for use in transfer and casting ladles.</p> | | | | | | | | | | | | | | | |
| <p>PHYSICAL PROPERTIES (ASTM procedures used where applicable)</p> | <table border="0"> <tr> <td></td> <td style="text-align: center;"><u>g/cm³</u></td> <td style="text-align: center;"><u>lb/ft³</u></td> </tr> <tr> <td>Bulk Density:</td> <td style="text-align: center;">2.80-2.95</td> <td style="text-align: center;">175-184</td> </tr> <tr> <td>Apparent Porosity, %:</td> <td colspan="2" style="text-align: center;">5-9</td> </tr> <tr> <td></td> <td style="text-align: center;"><u>N/mm²</u></td> <td style="text-align: center;"><u>lb/in²</u></td> </tr> <tr> <td>Cold Crushing Strength:</td> <td style="text-align: center;">>25</td> <td style="text-align: center;">>3600</td> </tr> </table> | | <u>g/cm³</u> | <u>lb/ft³</u> | Bulk Density: | 2.80-2.95 | 175-184 | Apparent Porosity, %: | 5-9 | | | <u>N/mm²</u> | <u>lb/in²</u> | Cold Crushing Strength: | >25 | >3600 |
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| <p>CHEMICAL ANALYSIS (Ignited)</p> | <table border="0"> <tr> <td>MgO (Diff.)</td> <td style="text-align: right;">> 38.0 %</td> </tr> <tr> <td>SiO₂</td> <td style="text-align: right;">< 1.2 %</td> </tr> <tr> <td>CaO</td> <td style="text-align: right;">< 59.0 %</td> </tr> <tr> <td>Al₂O₃ + Mn₃O₄</td> <td style="text-align: right;">< 0.8 %</td> </tr> <tr> <td>Fe₂O₃</td> <td style="text-align: right;">< 1.3 %</td> </tr> <tr> <td>Retained Carbon</td> <td style="text-align: right;">2.6-3.2%</td> </tr> </table> | MgO (Diff.) | > 38.0 % | SiO ₂ | < 1.2 % | CaO | < 59.0 % | Al ₂ O ₃ + Mn ₃ O ₄ | < 0.8 % | Fe ₂ O ₃ | < 1.3 % | Retained Carbon | 2.6-3.2% | | | |
| MgO (Diff.) | > 38.0 % | | | | | | | | | | | | | | | |
| SiO ₂ | < 1.2 % | | | | | | | | | | | | | | | |
| CaO | < 59.0 % | | | | | | | | | | | | | | | |
| Al ₂ O ₃ + Mn ₃ O ₄ | < 0.8 % | | | | | | | | | | | | | | | |
| Fe ₂ O ₃ | < 1.3 % | | | | | | | | | | | | | | | |
| Retained Carbon | 2.6-3.2% | | | | | | | | | | | | | | | |
| | <p style="text-align: center;">PACKAGING AND STORAGE</p> <p>Standard full pallets are packaged in vacuum sealed ALUVAC foil for optimum shelf life. Care should be taken to prevent ALUVAC damage. Store pallets in a dry protected area.</p> | | | | | | | | | | | | | | | |
| | <p>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.</p> <p>RESCO PRODUCTS disclaims any express or implied warranties based on this sheet.</p> <p>02/05/08 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet</p> | | | | | | | | | | | | | | | |