



CLAYBURN INDUSTRIES LTD.

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TECHNICAL DATA - TYPICAL

REFRACTORY BRICK

KILGARD HF

| | | | |
|--------------------------|---|--------------------------------|---------------|
| Classification | An ultra-low permeability low porosity high strength cryolite resistant refractory barrier brick excellent for aluminum pot-line use. | | |
| Refractoriness P.C.E. | Cone 16-18 | | |
| Temperature Equivalent | 2716-2772°F | (1491-1522°C) | |
| Bulk Density | 135-142 lbs/ft ³ | (2.16-2.28 g/cm ³) | |
| Cold Crushing Strength | 8000-14000 lbs/in ² | (55-97 MPa) | |
| Absorption | 4-6% | | |
| Apparent Porosity | 10-13% | | |
| Permeability | 1 centidarcy | | |
| Thermal Conductivity | <u>Btu/ft²•Hr•°/in</u> | | <u>(W/mK)</u> |
| 400°F | (204°C) | 7.0 | 1.0 |
| 1500°F | (816°C) | 9.7 | 1.4 |
| <u>Chemical Analysis</u> | | | |
| Silica | SiO ₂ | 60-65% | |
| Alumina + Titania | Al ₂ O ₃ + TiO ₂ | 23-27% | |

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**ALL DATA SUBJECT TO REASONABLE DEVIATION AND THEREFORE
SHOULD NOT BE USED FOR SPECIFICATION PURPOSES**