

IRC® 26-LI
LOW-IRON INSULATING CASTABLE

Recommended Service Temperature Limit 2600°F
 Water Required For Mixing 22-27%
 Material Required Per Ft' 82-92 lb
 Packaging 50 lb bag

| TEMPERATURE (°F) | BULK DENSITY (lb/ft³) | LINEAR CHANGE (%) | MODULUS OF RUPTURE (lb/in²) | COLD CRUSHING STRENGTH (lb/in²) |
|---------------------|-----------------------------|-------------------------|-----------------------------------|---------------------------------------|
| 220 | 90-100 | -0.2 to -0.6 | 300- 600 | 800- 1500 |
| 1500 | 85- 95 | -0.3 to -0.6 | 200- 400 | 700- 1000 |
| 2000 | 85- 95 | -0.5 to -0.9 | 200- 300 | 600- 800 |
| 2250 | 85- 95 | -0.1 to -1.0 | 200- 500 | 800- 1100 |
| 2550 | 85- 95 | -0.1 to -0.6 | 700-1200 | 1900- 2500 |

CHEMICAL ANALYSIS:

Al₂O₃ 48.6%
 SiO₂ 37.3
 Fe₂O₃ 1.4
 TiO₂ 1.7
 CaO 9.0
 MgO 0.3
 Alkalies 1.7

THERMAL CONDUCTIVITY:

NRMC HOTWIRE METHOD

Initial ascending temperature curve

| Mean Temperature (°F) | K-Factor (BTU·in/h·ft²·°F) |
|--------------------------|-------------------------------|
| 1000 | 3.0 |
| 1500 | 3.2 |
| 2000 | 3.6 |
| 2500 | 4.0 |

These data represent average properties obtained on cast specimens from commercial production lots by ASTM Standards tests, except where noted; other forming methods and/or test procedures may yield different data.

This data sheet was published May 28, 1991. Check with your National Refractories sales office to make sure you have current data sheet.