



TECHNICAL DATA - TYPICAL
INSULATING CASTABLES
INSULITE BLOCK CASTABLE

(Gunned Data)

| | | | |
|---|---|-------|---------------|
| Classification | An ultra lightweight insulating castable suitable for casting or gunning applications | | |
| Service Limit | 1600°F | | (871°C) |
| Dry Weight Required to Place 1 cu. ft. (m ³) | 30 lbs | | (480 Kg) |
| <u>Linear Change on Heating</u> | | | |
| 230°F (110°C) | Nil % | | |
| 1500°F (816°C) | -0.5 to -2.0% | | |
| 1600°F (871°C) | -1.0 to -2.0% | | |
| <u>Cold Crushing Strength</u> | | | |
| 230°F (110°C) | 150-300 lbs/in ² | | (1.0-2.1 MPa) |
| 1500°F (816°C) | 100-200 lbs/in ² | | (0.7-1.4 MPa) |
| <u>Thermal Conductivity (Mean Temp)</u> | | | |
| 400°F (204°C) | <u>Btu/ft²•Hr•°F/in</u> | | <u>W/mK</u> |
| 800°F (427°C) | 0.8 | | 0.12 |
| 1200°F (649°C) | 0.9 | | 0.13 |
| | 1.0 | | 0.14 |
| <u>Chemical Analysis</u> | | | |
| Silica | SiO ₂ | 56.5% | |
| Alumina | Al ₂ O ₃ | 14.0% | |
| Iron | Fe ₂ O ₃ | 5.9% | |