



TECHNICAL DATA - TYPICAL

CASTABLES

CHEMCAST ES

(Cast Data)

| | | | |
|---|--|-------------------------------|-------------|
| Classification | A chemical resistant castable, suitable for casting and gunning applications | | |
| Service Limit | 2200°F | | (1205°C) |
| Dry Weight Required to Place 1 cu. ft. (m ³) | 117 lbs. | | (1870 Kg) |
| Approx. Water Required for Placement | 16% | | |
| <u>Linear Change on Heating</u> | | | |
| 230°F | (110°C) | Nil % | |
| 1500°F | (816°C) | -0.3 to -0.5% | |
| 2000°F | (1095°C) | -0.6 to -1.2% | |
| <u>Cold Crushing Strength</u> | | | |
| 230°F | (110°C) | 6000-8000 lbs/in ² | (41-55 MPa) |
| 1500°F | (816°C) | 1500-3000 lbs/in ² | (10-21 MPa) |
| <u>Chemical Analysis</u> | | | |
| Silica | SiO ₂ | 50.2% | |
| Alumina | Al ₂ O ₃ | 19.4% | |
| Titania | TiO ₂ | 1.0% | |
| Iron | Fe ₂ O ₃ | 5.5% | |
| Lime | CaO | 20.1% | |
| Magnesia | MgO | 1.8% | |
| ASTM Designation | C401 Class "A" | | |

JAN 05

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