

MILBRO REFRACTORIES, INC.

MILCAST LW 22

MILCAST LW 22 is a hydraulic setting lightweight castable with excellent insulating properties. Excellent as a lightweight back up refractory for heaters, flues, ducts side walls, doors and roofs of various furnaces. Minimum cracking and good strength in pot line applications

| | |
|---|-------------------------------|
| Service Temperature | 2200° F |
| Material Required for Estimating | 56 lbs./ft³ |
| Mixing Water Required | 9.0-11.0 qt./50lbs |

TYPICAL CHEMICAL ANALYSIS

| | |
|--------------------------------|------|
| Al ₂ O ₃ | 38.1 |
| SiO ₂ | 36.8 |
| Fe ₂ O ₃ | 4.8 |
| TiO ₂ | 3.7 |
| MgO | 1.8 |
| CaO | 14.8 |

TYPICAL PHYSICAL PROPERTIES

| Temperature °F | Cold Crushing Strength, psi | Linear change % | Thermal Cond. BTU/sq.ft/hr/in./° F |
|-------------------|--------------------------------|--------------------|---------------------------------------|
| 220°F | 1850-2300 | 0.2 S | 500°F 1.9 |
| 1500°F | 1400-1900 | 0.7 S | 1000°F 2.1 |
| 2000°F | 1250-1650 | 0.8 S | 2000°F 2.9 |

All data shown is based on average results of standard ASTM procedures, unless otherwise indicated. Results are subject to reasonable deviation and should not be used for specification purposes.