

# MILBRO REFRACTORIES, INC.

## MULTICAST

A fine grain, moderate duty, hydraulic setting, refractory castable. MULTICAST has good strength to 2350° F, Can be used as a general maintenance material and as a back up behind working linings where higher temperatures are encountered.

<b>Service Temperature</b>	<b>2350° F</b>
<b>Material Required for Estimating</b>	<b>120 lbs./ft<sup>3</sup></b>
<b>Mixing Water Required</b>	<b>5.0-6.0 qt./100lbs</b>

### TYPICAL CHEMICAL ANALYSIS

Al <sub>2</sub> O <sub>3</sub>	32.1
SiO <sub>2</sub>	48.4
Fe <sub>2</sub> O <sub>3</sub>	1.5
TiO <sub>2</sub>	1.7
MgO	1.1
CaO	15.2

### TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	1000-1200	4000-4500	0.1 S
1000°F	600-800	2800-3200	0.2 S
1500°F	400-500	1400-1800	0.4 S
2000°F	500-600	1700-2000	0.5 S

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.