

# MILBRO REFRACTORIES, INC.

## RED ROCK F<sup>®</sup>

RED ROCK F<sup>®</sup> is a finer grained mullite based, chemically bonded plastic refractory, which resists metal penetration and the effects of corrosive slags. Excellent workability!

<b>Service Temperature</b>	<b>3100° F</b>
<b>Melting Point</b>	<b>3200° F</b>
<b>Material Required for Estimating</b>	<b>162 lbs./ft<sup>3</sup></b>

### TYPICAL CHEMICAL ANALYSIS

Al <sub>2</sub> O <sub>3</sub>	67.6
SiO <sub>2</sub>	26.5
Fe <sub>2</sub> O <sub>3</sub>	0.8
TiO <sub>2</sub>	1.4
MgO	0.1
CaO	0.1
P <sub>2</sub> O <sub>5</sub>	3.0

### TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	650	1100	0.2 S
1500°F	750	2200	0.2 S
2000°F	1150	3600	0.2 S
2500°F	1900	5600	0.9 E
3000°F	2220	8700	1.7 E

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