



# MAHAVIR REFRACTORIES CORPORATION

## Typical Technical Parameters

### INSULATING CASTABLES

PARTICULARS	MR Insulyte 7	MR Insulyte 9	MR Insulyte 11	MR Insulyte 13	MR Insulyte 15
<b>Physical Properties</b>					
Recommended Services					
Temp. °C	1100	1100	1350	1350	1350
Dry Density (kg/m <sup>3</sup> )	750-850	900-1000	1140-1250	1300-1450	1500-1600
Thermal Conductivity (K Cal/m/hr/°C)	0.14	0.28	0.31	0.33	0.44
CCS (kg/cm <sup>2</sup> )					
110°C	12-14	15-20	35-45	50-60	90-100
800°C	4-6	6-8	25-30	30-40	60-70
1100°C	6-8	10-14	25-30	30-40	60-70
1300°C	-	-	40-45	50-70	70-90
PLC (%)					
100°C	-	-	-	-	-
500°C	-	±0.2	-	-	-
800°C	±1.0	±0.6	-	-	-
1100°C	±1.6	±1.0	±0.2	±0.2	±0.2
1300°C	-	-	±1.0	±0.6	±0.6
<b>Chemical Analysis</b>					
Fe <sub>2</sub> O <sub>3</sub> (%) Max.	8.5	6	3.5	3.5	3.2

NOTE: 1) CCS and PLC values are on 4 x 4 x 16 cm prisms. Thermal Conductivity pre-fired hot face 500°C.  
2) Data represents typical average properties & do not constitute a specification.