



### LADLE - DOLOMITE BRICKS

BRAND	Chemical Properties					Physical Properties			Application Area
	MgO %	CaO %	SiO <sub>2</sub> %	Fe <sub>2</sub> O <sub>3</sub> %	C %	A.P. %	B.D. (gm/cc)	C.C.S. (MPa)	
ORIDOLO 20	72.00	22.00	1.10	1.20	-	12.00	3.00	55	Bottom / Metal Zone
ORIDOLO 30	62.00	30.00	1.00	1.10	-	11.00	3.05	55	Slag Zone & Bottom Impact
ORIDOLO 50	40.00	50.00	1.00	1.00	Zr <sub>2</sub> O <sub>3</sub> 0.90	15.00	2.85	30	Slag Zone
ORIDOLO P405	40.00	55.00	1.10	2.10	7.00	4.00	2.91	30	Metal Zone / Slag Zone
ORIDOLO R405	40.00	55.00	1.10	2.80	5.00	5.00	2.93	60	Metal Zone / Slag Zone
ORIDOLO R608	60.00	35.00	1.10	2.20	10.00	4.00	2.91	30	Slag Zone
ORIDOLO R701 C	70.00	20.00	0.70	1.00	1.00	8.00	2.98	30	Slag Zone

### LADLE - BACKUP LINING BRICKS

	Al <sub>2</sub> O <sub>3</sub> %	Fe <sub>2</sub> O <sub>3</sub> %	P.C.E. (O.C. min)	A.P. %	B.D. (gm/cc)	C.C.S. (MPa)	PLC (1450°C / 2 hr.)	RUL (ta°C)
ORIAL - HH	30.00	2.00	30	25.00	2.00	20	-	1350
ORIAL - HG	38.00	2.00	30	23.00	2.00	20	-	1350.
ORIAL - 60	60.00	2.50	35	23.00	2.40	40	+ 3.0	-
ORIAL - 70	70.00	3.00	37	23.00	2.50	40	+ 3.5	-

### MONOLITHICS

	Al <sub>2</sub> O <sub>3</sub> %	MgO %	Fe <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %	Grading (mm)	B.D. (gm/cc)	C.C.S. Kg/cm <sup>2</sup> 1100°C 1100°C 1500°C			PLC % (1550°C)
CAST 50	51.00	-	1.50	40.00	0 - 5	2.10	350	200	-	± 1.0
CAST 85	84.00	-	1.80	02.00	0 - 5	2.60	500	-	-	± 1.5
CAST 90	90.00	-	1.00	01.65	0 - 5	2.80	600	-	-	± 1.0
CAST 95	94.00	-	0.50	00.40	0 - 5	2.80	300	200	-	± 1.0
CAST LC 70	70.00	-	1.50	-	0 - 5	2.70	700	900	1000	± 1.0
HA-MORTAR 80	80.00	-	3.50	-	0 - 5	-	-	-	-	-
DOLOMITE MORTAR	40.00	55.00	2.50	3.10	0 - 0.5	-	-	-	-	-
DOLOFILL	40.00	55.00	2.50	3.10	0 - 5	-	-	-	-	-