



LADLE - MAGNESIA CARBON BRICKS

BRAND	Chemical Properties					Physical Properties			Application Area
	MgO %	CaO %	SiO ₂ %	Al ₂ O ₃ %	C %	A.P. %	B.D. (gm/cc)	C.C.S. (MPa)	
ORIBON LF A14	97.00	1.70	0.90	0.25	14	3.00	2.96	35	SLAG ZONE
ORIBON LF A14S	97.25	1.60	0.80	0.25	14	3.00	2.98	35	SLAG ZONE
ORIBON LF A12	97.25	1.50	0.85	0.25	12	3.00	2.97	35	SLAG ZONE
ORIBON LF A10	97.25	1.50	0.80	0.25	10	3.00	2.99	35	METAL ZONE, INTERFACE ZONE
ORIBON LF 914 A	98.00	0.90	0.60	0.25	14	2.80	2.99	35	SLAG ZONE
ORIBON LF 914	98.00	0.90	0.60	0.25	14	2.90	3.01	35	SLAG ZONE
ORIBON LF 814 A	97.50	1.30	0.75	0.25	14	2.80	2.99	35	SLAG ZONE
ORIBON LF 814	97.50	1.30	0.75	0.25	14	2.90	3.00	35	SLAG ZONE
ORIBON LF 812	97.1	1.50	0.80	0.25	12	2.85	2.98	35	SLAG ZONE
ORIBON LF 810	97.50	1.50	0.70	0.25	10	3.00	3.01	35	METAL ZONE
ORIBON LF 714 A	97.10	1.50	0.80	0.25	14	2.80	2.96	35	SLAG ZONE
ORIBON LF 714	97.10	1.50	0.80	0.25	14	2.90	2.97	35	SLAG ZONE
ORIBON LF 614 A	96.80	1.60	1.00	0.25	14	2.80	2.97	35	METAL ZONE
ORIBON LF 614	96.80	1.60	1.00	0.25	14	2.90	2.98	35	METAL ZONE
ORIBON LF 712	97.50	1.50	0.70	0.25	5	3.00	3.02	45	METAL ZONE, SLAG ZONE
ORIBON LF 710 A	97.10	1.60	0.80	0.25	10	2.90	2.98	40	METAL ZONE / BOTTOM
ORIBON LF 710	97.10	1.60	0.80	0.25	10	3.00	3.00	40	METAL ZONE / BOTTOM
ORIBON LF B10	97.00	1.60	1.00	0.25	10	3.00	3.00	40	METAL ZONE / BOTTOM
ORIBON LF B10S	97.10	1.50	0.80	0.25	10	3.00	3.01	45	METAL ZONE / BOTTOM
ORIBON LF 610	96.80	1.60	0.80	0.25	10	3.00	3.00	40	METAL ZONE / BOTTOM
ORIBON LF 510	95.00	1.70	1.10	0.25	10	3.00	2.95	35	METAL ZONE / FREE BOARD
ORIBON LF C10	95.00	1.70	1.20	0.25	10	3.00	2.97	35	FREE BOARD
ORIBON LF 410 C	75.00	1.5	3.75	16.00	6	3.00	2.98	45	METAL ZONE

LADLE - BACKUP LINING BRICKS

	Al ₂ O ₃ %	Fe ₂ O ₃ %(O.C. min)	P.C.E.	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	-
ORI - MCH	70(MgO)	7-12 (Cr ₂ O ₃)	-	23.00	2.75	35	± 1.5	1580
ORI - CHM	30(MgO)	18 (Cr ₂ O ₃)	-	24.00	2.80	25	± 0.5	1600
ORI - MAG	90(MgO)	4.5 (SiO ₂)	-	18.00	2.93	45	-	1550