

MAGNESITE

BRAND	MgO % min	Cr ₂ O ₃ % min	SiO ₂ % max	Fe ₂ O ₃ % max	CaO % max	AP % max	BD gm/cm ³ min	CCS kg/Cm ² min	RUL ta °c min
NORMAL MAGNESITE									
MCL MGN	85	-	6.5	-	2.5	22	2.85	350	1550
MCL MGC	85	-	6.5	-	2.5	16		450	1550
DENSE MAGNESITE									
MCL MGD I	89	-	5.5	-	2.5	20	2.9	500	1580
MCL MGD II	91	-	4.5	-	2.0	18	2.9	600	1600
MCL MGD III	92	-	4.0	1.5	2.0	18	2.95	600	1620
LOW IRON MAGNESITE									
MCL MGIS I	95	-	2.0	1	1.8	18	2.95	600	1650
MCL MGIS II	97	-	0.6	0.8	1.6	18	2.95	600	1700
MCL MGIS III	97	-	0.4	0.6	1.5	18	2.95	600	1700
MCL MGIS IV	97.5	-	0.4	0.2	1.5	17	2.95	600	1700
MCL SPL	98	-	0.4	0.15	1.5	16	3.0	600	1700 +

MAGNESITE ALUMINA

BRAND	MgO % min	Al ₂ O ₃ % min	SiO ₂ % max	Fe ₂ O ₃ % max	CaO % max	AP % max	BD gm/cm ³ min	CCS kg/Cm ² min	RUL ta °c min
MCL MGAL I	80	8	1	1	2	21	2.90	450	1700
MCL MGAL II	74	20	1	1	2	20	2.90	450	1700

The data relates to standard pressable shapes. These data are subject to variation for blocks and non-pressable shapes. Size tolerance: ± 1.5% or ± 2 mm whichever is greater.

MAGNESITE CHROME

BRAND	MgO % min	Cr ₂ O ₃ % min	SiO ₂ % max	Fe ₂ O ₃ % max	CaO % max	AP % max	BD gm/cm ³ min	CCS kg/Cm ² min	RUL ta °c min
MAGNESITE CHROME									
MCL MCN	60	15	6.5	-	-	24	2.90	250	1580
MCL MCC	60	15	6.5	-	-	16	2.85	250	1550
MCL MCCB	65	15	5.0	-	-	14	2.90	350	1600
DENSE MAGNESITE CHROME									
MCL MCLD I	65	12	5.0	-	-	20	2.90	300	1600
MCL MCLD II	68	10	3.0	-	-	20	2.90	350	1650
DIRECT BONDED MAGNESITE CHROME									
MCL DBMC I	68	12	2.5	-	-	18	2.95	350	1680
MCL DBMC II	70	10	2.0	-	-	18	2.95	400	1700
MCL DBMC III	75	12	1.0	7.5	1.5	18	3.00	400	1700
MCL DBMC IV	80	6	1.0	4.0	-	20	3.00	400	1700
MCL DBMC A	75	5	1.4	9.0	2.50	18	3.00	550	1680
CHROME MAGNESITE									
MCL CMN	35	22	-	-	-	25	2.85	200	1550
MCL CMD	40	18	6.5	-	-	20	2.90	250	1600
MCL CMC	35	22	-	-	-	16	2.85	250	1550
MCL DBCM	45	30	2.0	-	1.5	20	2.95	300	1650
CHROME									
MCL CTD	-	40	-	-	-	21	-	500	-

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MAGNESIA CARBON

BRAND	MgO in DBM % min	Fixed Carbon % min	AP % max	Coked AP at 1000°c in reducing atmosphere	BD gm/cm ² min	CCS Kg/cm ² min	MOR at Rt. kg/cm ² min	MOR at 1400° c kg/cm ² min
SPECIAL MAGCARB								
MCL MAGCARB ESL5	97.5	4	3	10	3.05	500	150	140
MCL MAGCARB ESL10	97.5	8	3	11	3.03	500	150	140
MCL MAGCARB EHS10	97.5	8	3	11	3.03	500	150	140
MCL MAGCARB EHS10H	97.5	8	3	11	3.03	500	190	170
MCL MAGCARB EHS15	97.5	13	3	12	3.00	500	150	120
MCL MAGCARB EHS20	97.5	18	4	13	2.95	450	125	120
MCL SUPERCARB5	98.0	4	3	10	3.08	500	150	140
MCL SUPERCARB10	98.0	8	3	10	3.06	500	150	140
OXIDATION RESISTANT								
MCL MAGCARB R5	97.5	4	5	11	3.05	500	125	110
MCL MAGCARB R5S	97.5	4	3	10	3.07	500	150	120
MCL MAGCARB R10	97.5	8	5	12	3.00	500	125	110
MCL MAGCARB R10S	97.5	8	3	11	3.02	500	150	120
MCL MAGCARB R15	97.5	13	5	13	2.95	400	100	110
MCL MAGCARB R15S	97.5	13	3	12	2.97	450	150	120
MCL MAGCARB R20	97.5	18	5	14	2.90	400	100	110
MCL MAGCARB R20S	97.5	18	4	13	2.92	400	100	120

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MAGNESIA CARBON

BRAND	MgO in DBM % min	Fixed Carbon % min	AP % max	Coked AP at 1000°C in reducing atmosphere	BD gm/cm ² min	CCS Kg/cm ² min	MOR at Rt. kg/cm ² min	MOR at 1400°C kg/cm ² min
NORMAL DENSE QUALITY								
MCL MAGCARB5	97	4	5		3.05	500	125	30
MCL MAGCARB10	97	8	5		3.00	500	125	30
MCL MAGCARB15	97	13	5		2.95	450	100	30
MCL MAGCARB20	97	18	5		2.90	400	90	30
METAL LINE FOR STEEL LADLES								
MCL MAGCARB ML1	94	8	5	14	2.98	450	120	-
MCL MAGCARB ML2	92	8	6	15	2.95	450	100	-
MCL MAGCARB ML 3	90	8	7	16	2.90	400	100	-
SLAG LINE FOR STEEL LADLES								
MCL MAGCARB SSL5	96.5	4	5	13	3.00	450	100	-
MCL MAGCARB SSL10	96.5	8	5	13	2.98	400	100	-

ALUMINA MAGNESIA CARBON

BRAND	Al ₂ O ₃ % min	MgO % min	Fixed Carbon % min	AP % max	BD gm/cm ² min	CCS Kg/cm ² min	RUL ta °C min	MOR at Rt. kg/cm ² min
MCL ALMC 70	72	11	8	6	2.95	550	1700	180
MCL ALMC 60	66	11	7	6	2.90	550	1650	170
MCL ALMC 50	50	30	8	5	3.00	550	1650	180

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