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1. Bulk Ferroalloys

(1) Ferro Silicon (FeSi)

① Ferro Silicon (FeSi)

Grade	Si: Min	Al: Max	C: Max	P: Max	S: Max
FeSi75Al2.0	75%	2.0%	0.2%	0.04%	0.02%
FeSi75Al1.5	75%	1.5%	0.1%	0.04%	0.02%
FeSi72	72%	2.0%	0.2%	0.04%	0.02%
FeSi70	70%	2.0%	0.2%	0.04%	0.02%
FeSi65	65%	3.5%	0.4%	0.04%	0.04%

② High Purity Ferro Silicon (HP FeSi)

Grade	Si: Min	Al: Max	C: Max	P: Max	S: Max	Ti: Max
FeSi75C0.2	75%	0.5%	0.2%	0.04%	0.02%	0.05%
FeSi75C0.02	75%	0.5%	0.02%	0.04%	0.02%	0.05%

③ Low Aluminum Ferro Silicon (Low Al FeSi)

Grade	Si: Min	Al: Max	C: Max	P: Max	S: Max
FeSi75Al1.0	75%	1.0%	0.2%	0.04%	0.02%
FeSi75Al0.5	75%	0.5%	0.2%	0.04%	0.02%
FeSi75Al0.3	75%	0.3%	0.2%	0.04%	0.02%
FeSi75Al0.1	75%	0.1%	0.2%	0.04%	0.02%

④ Low Silicon Ferro Silicon (Low Si FeSi)

Grade	Si:	Al: Max	Ca: Max	Mn: Max	C: Max	P: Max	S: Max
FeSi45Al0.5	45-50%	0.5%	0.5%	0.4%	0.15%	0.05%	0.05%
FeSi45Al1.5	45-50%	1.5%	1.0%	0.4%	0.2%	0.05%	0.05%

(2) Ferro Chrome (FeCr)

① Low Carbon Ferro Chrome (LC FeCr)

Grade	Cr: Min	C: Max	Si: Max	P: Max	S: Max
LC Cr55C25	55%	0.25%	1.5%	0.04%	0.03%
LC Cr65C10	65%	0.10%	1.5%	0.04%	0.03%
LC Cr60C10	60%	0.10%	1.5%	0.04%	0.03%
LC Cr60C5	60%	0.05%	1.5%	0.04%	0.03%
LC Cr60C3	60%	0.03%	1.5%	0.04%	0.03%

② High Carbon Ferro Chrome (HC FeCr)

Grade	Cr: Min	C: Max	Si: Max	P: Max	S: Max
Cr53C8	53%	8%	5%	0.05%	0.05%

(3) Ferro Manganese (FeMn)

① Low Carbon Ferro Manganese(LC FeMn)

Grade	Mn:	C: Max	Si: Max	P: Max	S: Max
FeMn88C0.2	85-92%	0.2%	1.0%	0.30%	0.02%
FeMn84C0.4	80-87%	0.4%	1.0%	0.30%	0.02%
FeMn84C0.7	80-87%	0.7%	1.0%	0.30%	0.02%
FeMn84C0.10	80-87%	0.1%	1.0%	0.30%	0.02%

② Middle Carbon Ferro Manganese(MC FeMn)

Grade	Mn:	C: Max	Si: Max	P: Max	S: Max
FeMn82C1.0	78-85%	1.0%	1.5%	0.35%	0.03%
FeMn82C1.5	78-85%	1.5%	1.5%	0.35%	0.03%
FeMn78C2.0	75-82%	2.0%	1.5%	0.40%	0.03%

③ High Carbon Ferro Manganese(HC FeMn)

Grade	Mn:	C: Max	Si: Max	P: Max	S: Max
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FeMn78C8.0	75-82%	8.0%	1.5%	0.30%	0.03%
FeMn74C7.5	70-77%	7.5%	2.0%	0.30%	0.03%
FeMn68C7.0	65-72%	7.0%	2.5%	0.40%	0.03%

(4) Ferro Silicon Chrome (FeSiCr)

Grade	Cr:Min	Si: Min	C: Max	P: Max	S: Max
Cr27Si42	27%	42%	0.10%	0.03%	0.03%
Cr30Si42	30%	42%	0.10%	0.03%	0.03%

(5) Ferro Silicon Manganese (FeSiMn)

Grade	Mn: Min	Si: Min	C: Max	S: Max	P: Max
Mn65Si17	65%	17%	2.0%	0.04%	0.3%
Mn60Si14	60%	14%	2.5%	0.04%	0.3%

2.Inoculants

(1) Calcium Silicon (CaSi)

Grade	Ca: Min	Si:	Al: Max	C: Max	P: Max	S: Max
Ca30Si60	30%	60%	1.2%	0.8%	0.05%	0.05%
Ca30Si58	30%	58%	1.5%	1.2%	0.05%	0.05%
Ca30Si50	30%	50%	2.5%	1.2%	0.05%	0.05%
Ca28Si55	28%	55%	1.5%	1.0%	0.05%	0.05%
Ca25Si50	25%	50%	2.5%	1.0%	0.05%	0.05%
Ca20Si50	20%	50%	2.5%	1.0%	0.05%	0.05%

(2) Ferro Silicon Barium (FeSiBa)

Grade	Ba: Min	Si: Min	Al: Max	Ca: Max	C: Max	Mn: Max	S: Max
Ba 2-3	2-3%	68-73%	1-2%	1-2%	/	/	/
Ba 4-6	4-6%	68-72%	1-2%	1-2%	/	/	/
Ba 6-8	6-8%	65-70%	1-2%	1-2%	/	/	/
Ba 10	10%	60-70%	2.0%	2.0%	1.0%	/	0.05%

Ba 20	20%	55%	2.0%	3.0%	1.0%	0.4%	0.05%
Ba 25	25%	55%	2.0%	3.0%	1.0%	0.4%	0.05%
Ba 30	30%	50%	2.0%	3.0%	1.0%	0.4%	0.05%
Ba 35	35%	45%	2.0%	3.0%	1.0%	0.4%	0.08%

(3) Ferro Silicon Cerium (FeSiCe)

Grade	Si:	Ca:	Al:	Ce:
Si72Ce1.5	72-75%	0.75-1.25%	0.75-1.25%	1.5-2.0%

(4) Mould Inoculants / Cast Blocks

Grade	Si:	Ca:	Al:	La:	Mn:	Zr:	Sr:
Mould Inoculants 1	70-78%	0.3-1.4%	3.2-4.5%	/	/	/	/
Mould Inoculants 2	72-75%	0.5-1.5%	4.0-4.5%	/	/	/	/
Mould Inoculants+Mn1	70-78%	0.3-1.4%	0.8-1.8%	/	3.5-4.5%	/	/
Mould Inoculants+Mn2	70-78%	1.0-1.5%	1.0-1.8%	/	3.7-4.5%	/	/
Mould Inoculants+La	71-75%	0.6-1.2%	4.0-4.5%	2.2-2.4%	/	/	/
Mould Inoculants+Zr	71-78%	0.1%	0.5%	/	/	1-1.6%	0.6-1.2%
Weight	20g/40g/60g/80g/90g/150g/200g/300g/500g/800g/2kg/5kg/10kg blocks or customized						

(5) Ferro Silicon Strontium (FeSiSr)

Grade	Sr:	Si:	Ca: Max	Al: Max
Si46Sr0.6	0.6-1.0%	46-50%	0.1%	0.5%
Si73Sr0.6	0.6-1.0%	73-78%	0.1%	0.5%
Si73Sr0.7	0.7-1.1%	73-78%	0.1%	0.5%
Si73Sr0.8	0.8-1.2%	73-78%	0.1%	0.5%
Si73Sr0.9	0.9-1.3%	73-77%	0.1%	0.5%
Si70Sr1.0	1.0-1.5%	70-75%	0.1%	0.5%

Si70Sr2.0	2.0-3.0%	70-75%	0.1%	0.5%
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(6) Ferro Silicon Zirconium (FeSiZr)

Grade	Zr: Min	Si:	Al: Max	C: Max	S: Max	P: Max	Mn: Max	Ca: Max
FeSiZr10	10%	45-60%	1.5%	0.5%	0.02%	0.04%	0.5%	1.3%
FeSiZr15	15%	45-60%	1.5%	0.5%	0.02%	0.04%	0.5%	1.3%
FeSiZr18	18%	45-60%	1.5%	0.5%	0.02%	0.04%	0.5%	1.3%
FeSiZr20	20%	45-60%	2.0%	0.5%	0.02%	0.04%	0.5%	1.3%
FeSiZr25	25%	45-60%	2.0%	0.5%	0.02%	0.04%	0.5%	1.3%
FeSiZr30	30%	45-60%	2.0%	0.5%	0.02%	0.04%	0.5%	1.3%
FeSiZr35	35%	45-60%	2.0%	0.5%	0.02%	0.04%	0.5%	1.3%

(7) Ferro Silicon Lanthanum (FeSiLa)

Grade	Si:	Ca:	Al:	La:
Si72La1.5	70-76%	0.5-1.5%	0.5-1.5%	1.5-2.0%

(8) Calcium Silicon Barium (CaSiBa)

Grade	Ca: Min	Ba: Min	Si: Min	Al: Max	Mn: Max	C: Max	P: Max	S: Max
Ca13Ba13	13%	13%	45%	3%	0.4%	0.4%	0.05%	0.05%
Ca14Ba14	14%	14%	52%	2%	0.4%	0.5%	0.05%	0.05%

(9) Calcium Silicon Manganese (CaSiMn)

Grade	Si: Min	Ca: Min	Mn: Min	C: Max	P: Max	S: Max	Al: Max
Ca14Mn14	49-53%	14-18%	14-18%	1.0%	0.06%	0.06%	1.5%

(10) Casting Pipe Mould Powder (Mould Powder)

Grade	Si:	Ca:	Ba:	Al: Max	Mn:	Zr:	Bi:	Re:
Mould 1	60-68%	2.5-3.5%	2.5-3.5%	1.5%	/	/	/	/
Mould 2	60-68%	1.0-3.0%	5.0-8.0%	1.5%	/	/	/	/
Mould 3	63-68%	0.7-1.9%	/	0.5-1.3%	2.8-4.5%	3.0-5.0%	/	/
Mould 4	68-75%	1.2-2.0%	0.1-0.6%	1.5%	/	/	0.8-1.3%	0.4-0.7%

(11) Ferro Silicon Strontium Lanthanum (FeSiSrLa)

Grade	Si:	Ca:Max	Al:Max	La:	Sr:
SiSr0.2La2.5	72-78%	0.2%	0.3%	2.5-3.5%	0.6-1.2%

(12) Silicon Aluminum Barium Calcium (SiAlBaCa)

Grade	Si: Min	Al: Min	Ba: Min	Ca: Min	Mn: Max	C: Max	P: Max	S: Max
SiAlBaCa-1	30%	16%	9%	12%	0.4%	0.4%	0.04%	0.02%
SiAlBaCa-2	35%	12%	9%	9%	0.4%	0.4%	0.04%	0.02%
SiAlBaCa-3	39%	21%	2%	10%	0.4%	0.4%	0.04%	0.02%

(13) Ferro Silicon Zirconium Manganese (FeSiZrMn)

Grade	Si:	Zr:	Mn:	Ca:	Al:
Si60Zr3Mn3	60-65%	3-5%	3-5%	0.5-1.5%	1.0-1.5%
Si60Zr4Mn4	60-69%	4-6%	4-6%	0.5-1.5%	0.5-1.5%
Si55Zr5Mn5	55-62%	5-8%	5-8%	1.0-2.0%	0.5-1.5%
Si55Zr8Mn8	55-60%	8-12%	8-12%	0.5-1.5%	0.5-1.5%

3. Nodulizers

(1) Ferro Silicon Magnesium (FeSiMg)

Si:	Mg:	Re:Max	Ca:	Ba:	Al:Max	MgO:Max
44-48%	5.3-5.8%	1.2-1.8%	0.8-1.2%	/	0.8%	/
44-48%	6.0-7.0%	2.0-2.5%	2.0-2.5%	/	0.5%	/
44-48%	7.0-9.0%	2.0-4.0%	2.0-3.0%	/	1.0%	/
44-48%	10-11%	0.8-1.2%	1.5-2.0%	/	0.8%	/
44-48%	10-11%	0.8-1.2%	3.0-3.5%	1-1.5%	0.8%	/
48-50%	16.5-17.0%	/	2.9-3.1%	/	1.0%	1.5%
45-50%	24.5-26.0%	0.8-1.2%	3.5-5.5%	0.5-1.5%	0.9-1.2%	1.5%
45-50%	24.5-29.5%	0.08%	2.0-4.0%	/	0.9-1.2%	1.5%
45-50%	24.5-29.5%	0.8-1.2%	2.0-4.0%	/	0.9-1.2%	2.0%
43-48%	26.0-27.0%	0.7-1.1%	2.5-3.5%	/	0.8%	/
48-50%	27.0-29.5%	0.9-1.2%	4.7-4.9%	/	0,6-1,0 %	2.0%

45-50%	27.0-29.5%	0.8-1.2%	3.5-5.5%	0.5-1.5%	0.9-1.2%	1.5%
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(2) Ti Vermicular Agent

Re:	Mg:	Si:	Ca:	Ti:	Ba:
2-4%	4-6%	40-45%	3-4%	4-6%	1-2%
9-15%	3-4%	40-45%	3-4%	/	/
17-20%	7-9%	40-45%	3-4%	/	/
28-30%	/	45-50%	3-4%	/	/

(3) Nickel Magnesium Alloy

Ni:Min	Mg:Min
85%	15%
80%	20%
70%	30%
Size:5-100mm 90% Min	

(4) Yttrium-Rare Earth Nodulizer

Re(Y):	Mg:	Si:	Ca:	Al: Max
1.0-2.5%	6.5-8.5%	42-46%	2.0-3.0%	0.8%
1.5-3.0%	6.5-8.5%	40-44%	2.0-3.0%	0.8%
2.5-3.5%	7.5-9.0%	42-46%	1.5-2.5%	0.8%
3.0-4.0%	7.5-9.0%	40-44%	1.5-2.5%	0.8%

(5) Cerium-Magnesium Nodulizer

Ce:	Mg:	Si:	Ca:	Al: Max
0.1-0.4%	5.5-6.5%	40-46%	2-3.5%	0.8%
0.4-0.6%	5.5-6.5%	40-46%	2-3.5%	0.8%
0.6-1.0%	6.5-7.5%	40-46%	2-3.5%	0.8%
0.9-1.3%	27-29%	44-48%	5-5.5%	1.0%

(6) Lanthanum-Magnesium Nodulizer

La:	Mg:	Si:	Ca:	Al: Max
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0.1-0.4%	5.5-6.5%	40-46%	2-3.5%	0.8%
0.4-0.6%	5.5-6.5%	40-46%	2-3.5%	0.8%

4.Minor Metals

(1) Silicon Metal

① Silicon Metal

Grade	Si: Min	Fe: Max	Al: Max	Ca: Max
553	98.5%	0.5%	0.5%	0.30%
441	99%	0.4%	0.4%	0.10%
3303	99%	0.3%	0.3%	0.03%
2202	99%	0.2%	0.2%	0.02%

② Off-Grade Silicon Metal

Grade	Si: Min	Fe: Max	Al: Max	Ca: Max
Si95%	95%	1.8%	1.5%	0.5%
Si97%	97%	1.5%	1.5%	0.3%

③ Silicon Metal Powder

Grade	Si: Min	Fe: Max	Al: Max	Ca: Max
553	98.5%	0.5%	0.5%	0.30%
441	99%	0.4%	0.4%	0.10%
3303	99%	0.3%	0.3%	0.03%
2202	99%	0.2%	0.2%	0.02%
95%	95%	1.8%	1.5%	0.5%
97%	97%	1.5%	1.5%	0.3%
Size	60/200/325 Mesh			

④ Silicon Carbon Alloy/ High Carbon Silicon/ High Carbon Ferro Silicon

Grade	Si:Min	C:Min	P: Max	S: Max
Si65C15	65%	15%	0.05%	0.10%
Si68C18	68%	18%	0.05%	0.10%

(2) Chrome Metal

① Chrome Metal Lump

Grade	Cr:Min	Fe:Max	Si:Max	Al:Max	Cu:Max	C:Max	S:Max	P: Max	N: Max	H: Max	O: Max
Cr99-A	99%	0.30%	0.25%	0.30%	0.005%	0.01%	0.01%	0.005%	0.02%	0.005%	0.3%
Cr99-B	99%	0.40%	0.30%	0.30%	0.01%	0.02%	0.02%	0.01%	0.05%	0.01%	0.5%
Cr98.5	98.5%	0.50%	0.40%	0.50%	0.01%	0.03%	0.02%	0.01%	0.05%	0.01%	0.5%
Cr98	98%	0.80%	0.40%	0.80%	0.02%	0.05%	0.03%	0.01%	/	/	/

② Chrome Metal Powder

Grade	Cr: Min	Fe: Max	Si: Max	C: Max	S: Max	P: Max
Cr98	98%	0.40%	0.30%	0.02%	0.02%	0.01%
Cr99	99%	0.40%	0.30%	0.01%	0.01%	0.01%
Size	50/60/80 Mesh					

(3) Calcium Metal

① Calcium Metal Lumps/Granules

Ca: Min	Mg: Max	Al: Max	Cu: Max	Fe: Max	Ni: Max	Mn: Max
98.5%	0.5%	0.5%	0.001%	0.005%	0.001%	0.05%
Size	0-2/0.3-2/50-150/50-200mm 90% min or customized					
Packing	150kg iron drums for lump / 175kg iron drums for granules					

② Calcium Metal Wire

Ca: Min	Mg: Max	Al: Max	Cu: Max	Fe: Max	Ni: Max	Mn: Max
98.5%	0.6%	0.9%	0.001%	0.005%	0.001%	0.05%
Diameter And Density	7.5mm ± 0.2mm, at 68-73 gram per meter 8.5mm ± 0.2mm, at 85-90 gram per meter					
Packing	175kg iron drums					

③ High Purity Calcium Metal

Ca: Min	Mg:Max	Al:Max	Cu:Max	Zn: Max	Fe: Max	N: Max	Ni: Max	Cl:Max	Mn:Max	Si:Max
99.2%	0.2%	0.02%	0.0005%	0.001%	0.005%	0.05%	0.005%	0.01%	0.002%	0.005%

Size	0-2/2-8/50-150/50-200mm 90% min or customized
Packing	150kg iron drums for lump ; 175kg iron drums for granules

④ Calcium Metal Scrap

Ca	98.5%min
Size	Length:35mm-90mm; width:8mm-10mm; thickness:1.0mm-4.0mm
Packing	80kg iron drums

⑤ CaAl Alloys

Ca:	Al:	Mg:Max	Cu: Max	Zn: Max	Fe: Max	N:Max	Ni: Max	Mn:Max	Si: Max
60-95%	40-5%	0.5%	0.01%	0.01%	0.05%	0.05%	0.005%	0.005%	0.05%
Size		30-100mm 90% min or customized							
Packing		150kg iron drums							

⑥ MgCa Alloys

Mg:	Ca:	Al:Max	Cu:Max	Fe:Max	Ni:Max	Mn:Max
60-90%	40-10%	0.5%	0.05%	0.05%	0.005%	0.05%
Size	Ingot shaped,540*150mm on bottom,470*120mm on top and 85mm height with or without two V shape notches ; Approx 10kgs +/- 0.5kg per ingot or customized					
Packing	securely banded on wooden pallet by metal bands, then wrapped tightly by shrink wraps					

(4) Strontium Metal

Sr:Min	Ba:Max	Ca:Max
99%	0.4%	0.2%
Packing	2.5kg Al cans into 50 kg iron drums	

(5) Titanium Sponge

Main Component/%										Brinell Hardness
Ti:Min	Specs:Max									HBW/ 10/14700/30
	Fe:	Si:	Cl:	C:	N:	O:	Mn:	Mg:	H:	(≤)
99.7%	0.06%	0.02%	0.06%	0.02%	0.02%	0.06%	0.01%	0.06%	0.005%	100
99.6%	0.10%	0.03%	0.08%	0.03%	0.02%	0.08%	0.01%	0.06%	0.005%	110

99.5%	0.15%	0.03%	0.10%	0.03%	0.03%	0.10%	0.02%	0.07%	0.005%	125
99.3%	0.20%	0.03%	0.15%	0.03%	0.04%	0.15%	0.02%	0.08%	0.010%	140
99.1%	0.30%	0.04%	0.15%	0.04%	0.05%	0.20%	0.03%	0.09%	0.012%	160
98.5%	0.40%	0.06%	0.30%	0.05%	0.10%	0.30%	0.08%	0.15%	0.030%	200
Size	0.83mm-25.4mm/0.83 mm-12.7mm 90%min									
Packing	70-120 kg/drum (net weight)									

(6) Manganese Metal

① Manganese Metal Lumps

Mn:Min	C:Max	S: Max	P: Max	Si: Max
95%	0.1%	0.05%	0.05%	1.0%
97%	0.05%	0.05%	0.05%	1.0%

② Manganese Metal Briquettes

Mn:Min	C:Max	S: Max	P: Max	Si: Max
95%	0.1%	0.05%	0.05%	0.8%
97%	0.05%	0.05%	0.05%	0.8%
Size	55*35*25 ,90%min			

③ Electrolytic Manganese Metal Flakes

Mn: Min	C: Max	S: Max	P: Max	Fe+Se+Si: Max
99.7%	0.04%	0.05%	0.005%	0.205%

④ Manganese Metal Powder

Mn: Min	C: Max	S: Max	P: Max	Fe+Se+Si: Max
99.7%	0.04%	0.05%	0.005%	0.205%
Size	50/60/80 Mesh			

(7) Magnesium Metal

① Magnesium Ingot

Grade	Mg: Min	Fe:Max	Si: Max	Ni: Max	Cu: Max	Al: Max	Pb: Max	Sn: Max	Zn:Max	Mn:Max	Single impurities Max
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Mg9995A	99.95%	0.003%	0.006%	0.001%	0.002%	0.008%	0.005%	0.005%	0.005%	0.006%	0.20%
Mg9995B	99.95%	0.005%	0.015%	0.001%	0.002%	0.015%	0.005%	0.005%	0.01%	0.015%	0.01%
Mg9990	99.9%	0.04%	0.03%	0.001%	0.004%	0.02%	/	/	/	0.03%	0.01%
Weight	100g/300g/7.5kg										

② Magnesium Alloy

Grade	Mg:	Al:	Zn: Max	Mn: Max	Fe: Max	Be (ppm)	Si: Max	Cu: Max	Ni:Max
AM50A	Balance	4.5-5.3%	0.1%	0.28-0.5%	0.004%	5-15	0.05%	0.008%	0.001%
AM60B	Balance	5.6-6.4%	0.2%	0.26-0.5%	0.004%	5-15	0.05%	0.008%	0.001%
AZ91D	Balance	8.9-9.5%	0.45-0.9%	0.17-0.4%	0.004%	5-15	0.05%	0.025%	0.001%
AZ31B	Balance	2.5-3.5%	0.7-1.3%	0.2-1%	0.002%	8-13	0.1%	0.01%	0.001%
AZ63	Balance	5.5-6.5%	2.8-3.3%	0.18-0.5%	0.003%	5-15	0.1%	0.008%	0.001%

③ Magnesium End Pieces

Mg: Min	Fe:Max	Si: Max	Ni: Max	Cu: Max	Al: Max	Ti: Max	Na: Max	Ca:Max	Mn:Max	Total impurities: Max
99%	0.04%	0.03%	0.001%	0.004%	0.02%	0.01%	0.002%	0.002%	0.03%	0.01%
Weight	600 - 1000g									

④ Magnesium Granules/ Powder

Grade	Mg:Min	Fe:Max	Cl:Max	H2O:Max	HCl insoluble:Max	Apparent Density:g/cm ³
FM1	98.5%	0.2%	0.005%	0.1%	0.2%	0.35
FM2	98.5%	0.2%	0.005%	0.1%	0.2%	0.35
FM3	98.5%	0.2%	0.005%	0.1%	0.2%	0.38
FM4	98.5%	0.2%	0.005%	0.1%	0.2%	0.40
FM5	98.5%	0.2%	0.005%	0.1%	0.2%	0.45
Size	0.2mm-0.8mm / 1.4mm-0.5mm 90%min					

(8) Molybdenum Metal

① Molybdenum Rods/ Square Bars

Mo:Min	Pb:Max	Bi:Max	Fe:Max	C:Max	O:Max	N:Max	W:Max	S:Max	Ca:Max	Mg:Max
99.8%	0.0001%	0.0001%	0.05%	0.05%	0.04%	0.003%	0.05%	0.001%	0.004%	0.004%
Size	ϕ 22-28 x L \leq 480mm / 22-24*22-24 x L \leq 450mm									

② Molybdenum Powder

Mo:Min	Al:Max	Ca:Max	Cu:Max	Mg:Max	Ni:Max	P:Max	C:Max	Cr:Max	Fe:Max	O2:Max	Si:Max
99.9%	0.0003%	0.001%	0.0064%	0.001%	0.0055%	0.001%	0.0064%	0.0095%	0.0075%	0.150%	0.020%
Particle Size & Distribution			3.4-4.5UM, D50: 12-16UM(FSSS: 200 MESH)								
Apparent Density			1.2-1.6 cm ³								
Packing			In 250kgs drum,4 drums on 1 pallet; drum(120X120×82cm)								

5.Cored Wire Products

(1) Cored Wire

Cored Wire	Diameter	Specs:
C	9mm/13mm/16mm	C:98.5%Min Ash:0.7%Max V.M:1.0%Max S:0.5%Max Moi:0.5%Max
Pb	9mm/13mm	Pb:99.5%Min
FeB	9mm/13mm	B:16-18% Al:0.5%Max C:0.5%Max Si:2%Max Fe:Balance
FeS	9mm/13mm	S:45%Min Si:5%Max C:0.3%Max P:0.3%Max Fe:Balance
FeV	9mm/13mm	V:78%Min C:0.2%Max Si:2%Max

FeTi	9mm/13mm	Ti:65%-75%Min Al:5%Max Si:1%Max C:0.4%Max P:0.05%Max S:0.05%Max V:3%Max Mo:2.5%Max
CaFe	9mm/13mm/16mm	Ca:30%Min Fe:70%Min Al:0.8%Max
Pure S	9mm/13mm	S:99%Min
SiBaCa	9mm/13mm	Si:40%-50% Ba:10%-20% Ca:20%-30%
CaAlFe	9mm/13mm	Ca:40%Max Fe:30%Min Al:30%Min
FeMnN	9mm/13mm	N:4%-7%Min Mn:80%Min Fe:Balance
FeSiMg	9mm/13mm	Mg:23-26% Si:40-45% Al:0.8-1.5%
		Ca:1.5-3% TRe:1-1.2% Fe:Balance
Pure Al	9mm/12mm/15mm	Al:99.7%Min Si+Fe:0.3%Max
Pure Ca	9mm/13mm	Ca:98.5%Min Mg:0.8%Max Al:0.8%Max
Solid Ca	9mm/10mm	Ca:98.5%Min Mg:0.8%Max Al:0.8%Max
Pure Mg	9mm/13mm	Mg:99%Min
Calcium Silicon	9mm/13mm/16mm	Ca:30%Min Si:55%Min Al:1.5%max
		S:0.06%Max C:1.0%Max Fe:4%Max
		P:0.05%Max

(2) Cored Wire Filling Materials

① Ferro Boron (FeB)

Grade	B:Min	Al: Max	Si: Max	P: Max	C: Max	S: Max
FeB16	16%	0.5%	1.5%	0.2%	1.0%	0.01%
FeB17	17%	0.5%	1.5%	0.1%	0.5%	0.01%
FeB18	18%	0.5%	1.5%	0.1%	0.5%	0.01%
Size	0-2mm 90%Min					

② Calcium Silicon(CaSi)

Grade	Ca: Min	Si: Min	Al: Max	C: Max	P: Max	S: Max
Ca30Si58	30%	58%	1.5%	1.2%	0.05%	0.05%
Ca28Si55	28%	55%	1.5%	1%	0.05%	0.05%

Size	0-1.6mm / 0-2mm 90% min
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③ Calcium Metal

A. Calcium Metal Granules

Ca: Min	Mg: Max	Al: Max	Cu: Max	Fe: Max	Ni: Max	Mn: Max
98.5%	0.5%	0.5%	0.005%	0.05%	0.005%	0.05%
Size	0-2/0.3-2/1-3mm 90%min					

B. Calcium Metal Wire

Ca: Min	Mg: Max	Al: Max	Cu: Max	Fe: Max	Ni: Max	Mn: Max
98.5%	0.6%	0.9%	0.005%	0.05%	0.005%	0.05%
Diameter And Density	7.5mm \pm 0.2mm, at 68-73 gram per meter 8.5mm \pm 0.2mm, at 85-90 gram per meter					

④ Ferro Silicon Magnesium (FeSiMg)

Si:	Mg:	Re:Max	Ca:	Ba:	Al:Max	MgO:Max
48-50%	16.5-17.0%	/	2.9-3.1%	/	1.0%	1.5%
45-50%	24.5-26.0%	0.8-1.2%	3.5-5.5%	0.5-1.5%	0.9-1.2%	1.5%
45-50%	24.5-29.5%	0.08%	2.0-4.0%	/	0.9-1.2%	1.5%
45-50%	24.5-29.5%	0.8-1.2%	2.0-4.0%	/	0.9-1.2%	2.0%
43-48%	26.0-27.0%	0.7-1.1%	2.5-3.5%	/	0.8%	/
48-50%	27.0-29.5%	0.9-1.2%	4.7-4.9%	/	0,6-1,0 %	2.0%
45-50%	27.0-29.5%	0.8-1.2%	3.5-5.5%	0.5-1.5%	0.9-1.2%	1.5%

6. Carbon Products

(1) Coke

	Grade	Ash: Max	V. M: Max	F.C.: Min	S: Max	Moi: Max
Foundry Coke	First Grade	10%	1.5%	89%	0.5%	5.0%
	Second Grade	12.5%	1.5%	86%	0.6%	5.0%
Metallurgical	First Grade	13%	1.5%	85%	0.75%	6.0%

Coke	Second Grade	13%	1.5%	85%	2.0%	6.0%
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(2) Semi Coke

F.C.: Min	Ash:	VM:	S:	P: Max	Moi: Max
80-85%	8-11%	6-10%	0.2-0.4%	0.03%	10-18%
Size	6-18/18-35/35-80mm 90%min				

(3) Electrode Paste

Grade	Ash: Max	VM: Max	Compressive Strength Mpa: Max	Specific Resistancem: Max	Bulk Density:g/cm3	Extensibility:
Obturation Electrode Paste	4%	12-15.5%	18%	65%	1.38 g/cm3	5-20%
	6%	12-15.5%	17%	75%	1.38 g/cm3	5-20%
Normal Electrode Paste	7%	9.5-13.5%	22%	80%	1.38 g/cm3	5-30%
	9%	11.5-15.5%	21%	85%	1.38 g/cm3	15-40%
Chemical Industry Electrode paste	11%	11.5-15.5%	20%	90%	1.38 g/cm3	15-40%
	11%	11.5-15.5%	18%	90%	1.38 g/cm3	5-25%
Size	100*60*90m/80*60*100mm					

(4) Graphite Electrode

Items	Properties	Unit	Grade		
			RP	HP	UHP
Bulk Density	Electrode	g/cm3	1.60-1.65	1.65-1.70	1.68-1.75
	Nipple		1.64-1.69	1.68-1.76	1.70-1.80
Resistivity	Electrode	$\mu\Omega \cdot m$	8.5-10.0	6.5-7.5	5.5-6.5
	Nipple		7.0-9.0	6.0-6.8	5.0-5.5
Bending Strength	Electrode	Mpa	8.0-12.0	12.0-16.0	16.0-20.0
	Nipple		13.0-15.0	16.0-18.0	17.0-20.0
Diameter		mm	50-900	200-600	400-800
Length		mm	1000-2400	1200-2700	1500-2400

(5) Silicon Carbide(SiC)

Silicon Carbide-Metallurgical Grade		
SiC: Min	F.C.: Max	Fe2O3: Max
90.0%	2.0%	2.0%
88.0%	2.5%	2.5%
85.0%	2.5%	2.5%
80.0%	2.5%	2.5%
75.0%	2.5%	2.5%
70.0%	2.5%	2.5%
Size	0-10/1-10/10-50mm 90%min	
Silicon Carbide Briquettes		
SIC:Min	FC:Max	Fe2O3:Max
85%	2.5%	2.5%
Size:	50X50X30mm	

(6) Amorphous Graphite

F.C.:Min	Size:
80%	-200 mesh/ -325 mesh

(7) Natural Flake Graphite

F.C.:	Size:
80-99.99%	0.5mm-1 μ m

(8) Graphite Electrode Scraps

F.C.: Min	S: Max	Ash: Max	VM: Max	Moi: Max
98.5%	0.05%	0.7%	0.8%	0.5%

(9) Calcined Anthracite Coal (CAC)

F.C.: Min	S: Max	Ash: Max	VM: Max	Moi: Max	N:Max
95%	0.3%	4.0%	1.0%	0.5%	0.35%
94%	0.3%	5.0%	1.1%	0.5%	0.35%

93%	0.30%	6.0%	1.2%	0.5%	0.35%
92%	0.35%	6.5%	1.3%	0.5%	0.35%
90%	0.35%	8.5%	1.5%	0.5%	0.35%
85%	0.35%	10%	2.0%	0.5%	0.45%

(10) Calcined Petroleum Coke (CPC)

F.C.: Min	S: Max	Ash: Max	VM: Max	Moi: Max
98.5%	0.5%	0.7%	0.8%	0.5%

(11) Graphitized Petroleum Coke (GPC)

F.C.: Min	S: Max	Ash: Max	VM: Max	Moi: Max
98.5%	0.05%	0.7%	0.8%	0.5%
98.5%	0.1%	0.7%	0.8%	0.5%

7. Nitrided Products

(1) Nitrided Ferro Silicon

N: Min	Fe: Max	C: Max	Si3N4: Min	Ca: Max	Al: Max	O: Max
34%	1.0%	1.5%	85%	0.6%	0.8%	2.5%
36%	0.5%	1.0%	90%	0.5%	0.5%	2.0%
38%	0.4%	1.0%	95%	0.4%	0.4%	2.0%
39%	0.1%	0.5%	99%	0.1%	0.1%	/

(2) Nitrided Ferro Titanium

Ti:	N:	C:Max	S:Max	P:Max
30-35%	10-20%	4%	0.1%	0.1%

(3) Vanadium-Nitrogen Alloy

Grade	V:	N:	C: Max	P: Max	S: Max
VN12	77-81%	10-14%	10%	0.06%	0.1%
VN16	76-81%	14-18%	6%	0.06%	0.1%

(4) Nitrided Ferro Manganese

Grade	Mn:	C: Max	N:	Si: Max	P: Max	S: Max
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FeMn70N6	70-80%	0.15%	4-6%	1.0%	0.05%	0.05%
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(5) Nitrided Manganese Metal

Grade	Mn:	N:	C:	S: Max	P: Max	Si: Max
NMn-Flakes	85-90%	6-7%	0.1%	0.05%	0.05%	0.8%
NMn-Lumps	70-90%	4-8%	0.1%	0.05%	0.05%	0.8%
NMn-Powder	70-90%	4-8%	0.1%	0.05%	0.05%	1.0%
NMn-Briquettes	70-90%	4-8%	0.1%	0.05%	0.05%	0.8%

(6) Nitrided Low Carbon Ferro Chrome

Grade	Cr: Min	N: Min	Si: Max	C: Max		P: Max	S: Max
FeCrN3-A	60%	3.0%	0.03%	0.5%	1.5%	0.03%	0.04
FeCrN3-B	60%	3.0%	0.06%	0.5%	1.5%	0.03%	0.04%
FeCrN3-C	60%	3.0%	0.1%	0.5%	1.5%	0.03%	0.04%
FeCrN8	60%	8.0%	1.5%	0.06%	0.1%	0.03%	0.04%
FeCrN9	60%	9.0%	1.5%	0.06%	0.1%	0.03%	0.04%
FeCrN10	60%	10%	1.5%	0.06%	0.1%	0.03%	0.04%
FeCrN6-9	65%	6-9%	1.0	0.06%	0.1%	0.03%	0.04%

8. Noble Alloys

(1) Ferro Boron (FeB)

Grade	B:Min	Al: Max	Si: Max	P: Max	C: Max	S: Max
FeB12-14	12-14%	0.5%	1.5%	0.2%	1.0%	0.01%
FeB14-17	14-17%	0.5%	1.5%	0.2%	1.0%	0.01%
FeB17-18	17-18%	0.5%	1.5%	0.1%	0.5%	0.01%
FeB18-19	18-19%	0.5%	1.5%	0.1%	0.5%	0.01%
FeB19-21	19-21%	0.5%	1.5%	0.1%	0.5%	0.01%
FeB21-23	21-23%	0.5%	1.5%	0.1%	0.5%	0.01%
FeB18C0.1	18%	0.5%	1.0%	0.1%	0.1%	0.01%

(2) Ferro Sulphur (FeS)

Grade	S: Min	C: Max	Si:Max	Mn: Max	P:Max	As: Max	Fe:Min
FeS30	25-35%	0.4%	7%	0.4%	0.3%	0.15%	45%
FeS40	35-45%	0.3%	5%	0.3%	0.25%	0.12%	42%
FeS50	45-55%	0.2%	3%	0.2%	0.2%	0.1%	39%

(3) Ferro Titanium (FeTi)

Grade	Ti:	C:Max	Si:Max	P:Max	S:Max	Al:Max	Mn:Max	Cu:Max
FeTi70-A	65-75%	0.1%	0.5%	0.04%	0.03%	3%	1%	0.2%
FeTi70-B	65-75%	0.2%	4%	0.06%	0.03%	5%	1%	0.2%
FeTi70-C	65-75%	0.3%	5%	0.08%	0.04%	7%	1%	0.2%

(4) Ferro Tungsten (FeW)

Grade	W:	C: Max	S: Max	P: Max	Si: Max	Mn: Max	As: Max	Sn: Max	Cu: Max
FeW80	78-82%	0.1%	0.08%	0.05%	1.0%	0.5%	0.05%	0.05%	0.1%

(5) Ferro Vanadium (FeV)

Grade	V:	C: Max	Si: Max	P: Max	S: Max	Al: Max	Mn: Max
FeV50-A	48-55%	0.4%	2.0%	0.06%	0.04%	1.5%	/
FeV80-B	75-82%	0.20%	1.5%	0.06%	0.05%	2.0%	0.5%

(6) Ferro Phosphorus (FeP)

Grade	P: Min	Si: Max	C: Max		S: Max		Mn: Max	Ti:Max	
FeP29	28-30%	2.0%	0.2%	1.0%	0.05%	0.5%	2.0%	0.7%	2.0%
FeP26	25-28%	2.0%	0.2%	1.0%	0.05%	0.5%	2.0%	0.7%	2.0%
FeP24	23-25%	3.0%	0.2%	1.0%	0.05%	0.5%	2.0%	0.7%	2.0%
FeP21	20-23%	3.0%	1.0%		0.5%		2.0%	/	
FeP18	17-20%	3.0%	1.0%		0.5%		2.0%	/	
FeP16	15-17%	3.0%	1.0%		0.5%		2.0%	/	

(7) Ferro Molybdenum (FeMo)

Grade	Mo: Min	C: Max	S: Max	P: Max	Si: Max	Ca: Max	Sb: Max	Sn: Max
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FeMo60	60%	0.15%	0.10%	0.05%	1.5%	0.5%	0.03%	0.03%
FeMo65	65%	0.10%	0.10%	0.05%	1.0%	0.5%	/	/

9.Master Alloys

(1) Additive Tablets

① Mn Tablet

Grade	Mn:	Balance:
Mn75F	75 ± 3%	Flux
Mn80F	80 ± 3%	Flux
Mn85F	85 ± 3%	Flux
Mn75Al	75 ± 3%	Al
Mn80Al	80 ± 3%	Al
Mn85Al	85 ± 3%	Al

② Fe Tablet

Grade	Fe:	Balance:
Fe75F	75 ± 3%	Flux
Fe80F	80 ± 3%	Flux
Fe80F	85 ± 3%	Flux
Fe75Al	75 ± 3%	Al
Fe80Al	80 ± 3%	Al
Fe85Al	85 ± 3%	Al

③ Ti Tablet

Grade	Ti:	Balance:
Ti75F	75 ± 3%	Flux
Ti80F	80 ± 3%	Flux
Ti80F	85 ± 3%	Flux
Ti75Al	75 ± 3%	Al
Ti80Al	80 ± 3%	Al

Ti85Al	85 ± 3%	Al
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④ Cr Tablet

Grade	Cr:	Balance:
Cr75F	75 ± 3%	Flux
Cr80F	80 ± 3%	Flux
Cr80F	85 ± 3%	Flux
Cr75Al	75 ± 3%	Al
Cr80Al	80 ± 3%	Al
Cr85Al	85 ± 3%	Al

(2) Zinc Based Master Alloys

Zinc Based Master Alloys	ZnNi/ZnAl
Form	Coils/Sticks/Waffle Ingot/Button/Cast cut bar/Compacts

(3) Copper Based Master Alloys

Copper Based Master Alloys	CuP/CuMg
Form	Coils/Sticks/Waffle Ingot/Button/Cast cut bar/Compacts

(4) Aluminum Based Master Alloys

Grain Refiners	AlTiB/AlZr/AlTiC/AlTi/AlEr
Elements Additives	AlMn/AlCr/AlSi/AlCu/AlNi/AlMg/AlFe/AlZn/AlLi/AlCa/AlBi/AlV
Purification Products	AlB
Metallographic Modifiers	AlSr/AlSb/AlP/AIRE/AlLa/AlCe/AlY/AlYb/AlNd
Form	Coils/Sticks/Waffle Ingot/Button/Cast cut bar/Compacts

(5) Magnesium Based Master Alloys

Magnesium Based Master Alloys	MgZr/MgMn/MgCa/MgNd
Form	Coils/Sticks/Waffle Ingot/Button/Cast cut bar/Compacts

10. Rare Earth

(1) Cerium Metal

TREM: Min	Ce /REM: Min
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99%	99.5%
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(2) Lanthanum Metal

TREM: Min	La /REM: Min
99%	99.5%

(3) Cerium Misch Metal

TREM: Min	Ce:	La:
99%	65%	35%
Weight	250-500gms/pcs	
Packing	250kg iron drum	

(4) Ferro Silicon Rare Earth (FeSiRe)

Si:	Re:	Ce/La:
30-40%	10-35%	0-100/100-0
45-55%	10-35%	0-100/100-0

11. Abrasive Raw Materials

(1) Boron Carbide

Grade	Size: μ m	B:Total	C:Total	B+C:
F90	180-150	76-80%	17-21.5%	95-99%
F120	125-106			
F150	106-75			
F180	90-63			
F220	75-53			
F230	69.5 ± 3.5	75-79%	17-21.5%	95-97%
F240	58.5 ± 2.4			
F280	48.5 ± 1.8			
F320	39.5 ± 1.8			
F360	30.5 ± 1.8			
F400	22 ± 1.2			

F500	17.5 ± 1.2			
F600	13 ± 1	74-79%	17-21.5%	93-97%
F800	9.4 ± 1			
F1000	6.3 ± 1			
F1200	4.2 ± 0.6			

(2) Silicon Carbide

SiC: Min	F.C.: Max	Fe2O3: Max
98.5%	0.2%	0.6%
98%	0.3%	0.8%
Bonded Abrasives	F12/F14/F16/F20/F22/F24/F30/F36/F40/F46/F54/ F60/F70/F80/F90/F100/F120/F150/F180/F220	
Coated Abrasives	F240-F2000	
Grain/Grit	0-1mm/0-3mm/100F/200F/220F/7-12#/30-36#...325F/ DIN70/100F/200F/325F	
JIS SIZE	JIS240-JIS6000	

(3) White Fused Alumina

Al2O3:Min	Fe2O3:Max	SiO2:Max	CaO:Max	Na2O:Max	B.D:Min
99%	0.1%	0.1%	0.1%	0.35%	3.55g/cm3

(4) Brown Fused Alumina

Al2O3:Min	Fe2O3:Max	SiO2:Max	TiO2:Max	CaO+MgO:Max	B.D:Min
95%	0.3%	1.2%	3.0%	0.8%	3.85g/cm3

(5) Dense Fused Corundum

Al2O3:Min	Fe2O3:Max	SiO2:Max	CaO:Max	TiO2:Max	C:Max	B.D:Min
99%	0.15%	0.8%	0.1%	0.1%	0.12%	3.9g/cm3

(6) Pink Fused Aluminum Oxide

Medium Chromium			
Grit Size Range	Al2O3:Min	Cr2O3:	Na2O:Max
F12-F80	98.2%	0.45-1%	0.55%

F90-F150	98.2%	0.45-1%	0.6%
F180-F220	98.8%	0.45-1%	0.7%
B.D:Min	1.4-1.91g/cm ³		

(7) Semi-Friable Brown Fused Alumina

Al ₂ O ₃ :Min	Fe ₂ O ₃ :Max	SiO ₂ :Max	CaO:Max	MgO:Max	TiO ₂ :	B.D:Min
97-98%	0.15%	0.5%	0.2%	0.2%	1.2-1.7%	1.77g/cm ³

12.Refractory Materials

(1) Bauxite

Grade	Al ₂ O ₃ : Min	Fe ₂ O ₃ : Max	SiO ₂ : Max	TiO ₂ : Max	B.D: Min	CaO+MgO: Max	K+NA: Max	LOI: Max
RKB90	90%	1.5%	4%	4%	3.2%	0.4%	0.25%	0.1%
RKB88	88%	1.8%	6%	4%	3.2%	0.4%	0.25%	0.1%
RKB87	87%	1.8%	7%	4%	3.15%	0.4%	0.25%	0.1%
RKB86	86%	1.8%	8%	4%	3.10%	0.4%	0.25%	0.1%
RKB85	85%	2.0%	9%	4%	3.10%	0.4%	0.25%	0.1%
RKB83	83%	2.0%	11%	4%	3.00%	0.4%	0.25%	0.1%
RKB82	82%	2.0%	12%	4%	2.90%	0.4%	0.25%	0.1%
RKB80	80%	2.0%	14%	4%	2.90%	0.4%	0.25%	0.1%

(2) Gunning Mass

MgO:Min	SiO ₂ :Max	CaO:Max	Fe ₂ O ₃ :Max	Al ₂ O ₃ :Max	B.D.:
87.28%	3.12%	2.24%	1.02%	1.23%	2.5g/cm ³

(3) Silicon Carbide

SIC:Min	FC:Max	Fe ₂ O ₃ :Max
98%	0.3%	0.4%
97%	0.4%	0.5%

95%	0.7%	0.8%
Size	0-1mm/1-3mm/3-5mm/100F/220F/350F	

(4) Fused Magnesium

Grade	MgO:Min	SiO2:Max	Al2O3:Max	Fe2O3:Max	CaO:Max	L.O.I:Max	B.D.:
FM96	96%	2.2%	1.0%	1.0%	1.0%	0.3%	3.28g/cm3
FM97	97%	2.0%	1.0%	0.4%	1.0%	0.3%	3.3g/cm3
Size	0-30/0-40/0-1/1-3/3-5mm or 20 /32/100-200 mesh						

(5) Big Crystal Magnesium

MgO:Min	SiO2:Max	CaO:Max	Fe2O3:Max	Al2O3:Max	lgL:Max	B.D.:
99.02%	0.19%	0.40%	0.40%	0.05%	0.05%	3.50g/cm3
98.51%	0.30%	0.71%	0.71%	0.07%	0.07%	3.50g/cm3
98.10%	0.40%	0.90%	0.90%	0.10%	0.10%	3.50g/cm3
97.80%	0.48%	1.02%	1.02%	0.12%	0.12%	3.50g/cm3
97.51%	0.50%	1.20%	1.20%	0.13%	0.13%	3.50g/cm3
97.15%	0.60%	1.90%	1.90%	0.20%	0.20%	3.50g/cm3
Size:	0-30/0-60mm 90%min					

(6) Light Burnt Magnesium

MgO:	SiO2:	CaO:	Fe2O3:	L.O.I
50-75%	3-10%	2-5%	2-5%	2-5%
Size:	0-40/0-60mm 90% min			

(7) Dead Burnt Magnesium

Grade	MgO:Min	SiO2:Max	Al2O3:Max	Fe2O3:Max	CaO:Max	L.O.I:Max	B.D.:
DBM90	90%	4.0%	1.0%	0.7%	2.5%	1%	3.15g/cm3
DBM92	92%	4.5%	1.0%	2.0%	2.5%	1%	3.17g/cm3
DBM95	95%	2.0%	1.0%	2.0%	2.0%	0.5%	3.2g/cm3
DBM96	96%	1.4%	1.0%	1.3%	1.0%	0.3%	3.24g/cm3
DBM97	97%	1.0%	1.0%	1.0%	1.0%	0.3%	3.28g/cm3

Size:	0-1mm/1-3mm/3-5mm/3-8mm/1-15mm/3-15mm/200mesh/325mesh
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(8) Active Magnesium Oxide

Grade	MgO:Min	LOI:Max	SiO ₂ :Max	CaO:Max	Fe ₂ O ₃ :Max	Al ₂ O ₃ :Max	Activly
Active 90	90%	4%	2%	3%	0.7%	0.5%	40-80
Active 92	92%	3%	2%	2%	0.65%	0.5%	40-80
Passing Rate:		95%min					

(9) Light Burnt Magnesium Ball

MgO:	SiO ₂ :	CaO:	Fe ₂ O ₃ :	L.O.I:
50-75%	3- 10%	2-5%	1-2%	20-35%
Size:	0-40/0-60mm 90%min			

(10) Fused Magnesium Skin Sand

Grade	MgO:	SiO ₂ :	Fe ₂ O ₃ :	CaO:	Al ₂ O ₃ :	L.O.I:
Pisa93.5	95.69%	1.32%	1.03%	1.49%	0.15%	0.32%
	95.769%	1.32%	1.03%	1.49%	0.15%	0.32%
	95.67%	1.24%	1.03%	1.62%	0.12%	0.32%
Size:	0-1mm/1-3mm/200mesh					