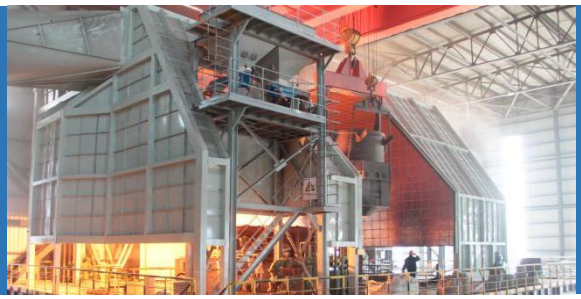
LW POWDER

LWPM



LAP100.29D1







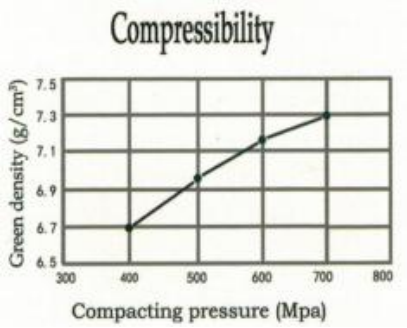


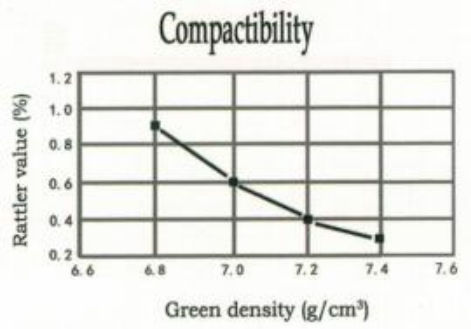
APPLICATION

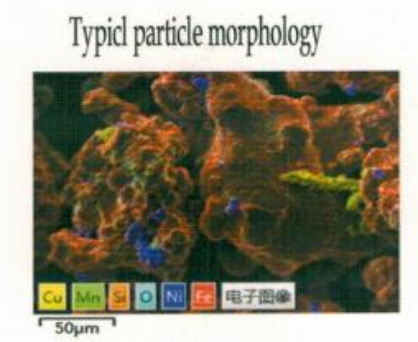
LAP100.29D1 is mainly used for production of high strength materials.

SPECIFICATION

Chemical Properties（%）	Unit	Specification	
		Min	Max
C	%		0.015
Si	%		0.05
Mn	%		0.15
P	%		0.015
S	%		0.015
Ni	%	1.70	2.10
Mo	%	0.50	0.70
Cu	%	1.60	1.90
HL	%		0.15
Physical Properties			
Apparent density	g/cm3	3.00	3.30
Flow rate	s/50g		30.00
Green density 490Mpa	g/cm3	7.06	
Particle size distribution（%）			
180-212um	%		1
150-180um	%		10
45-150um	%		
-45um	%	10	30







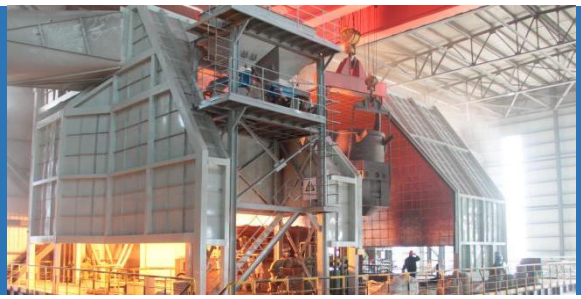
PROPERTIES

LAP100.29D1+0.3%C+0.6%Zn-st, condition: temperature1120℃, sintering time 30min.

Product name	Sintered density(g/cm³)	Tensity strength(MPa)	Impact energy(J)	Rockwell hardness(HRB)	Elongation (%)
LAP100. 29D1	6. 80	410	16. 80	74. 2	2. 01
	7. 00	441. 68	21. 28	82. 6	2. 11

LW POWDER

LWPM



LAP100.29D2







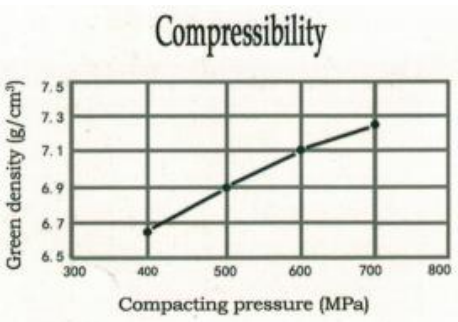


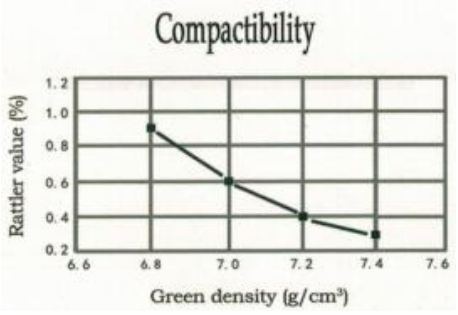
APPLICATION

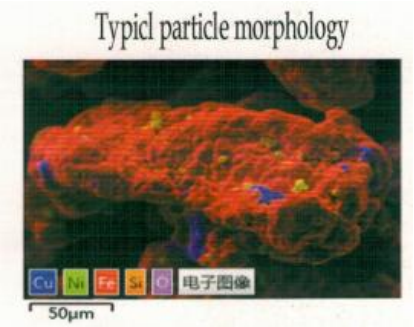
LAP100.29D2 is suitable for production of high hardenability and high strength parts.

SPECIFICATION`

Chemical Properties（%）	Unit	Specification	
		Min	Max
C	%		0.015
Si	%		0.05
Mn	%		0.15
P	%		0.015
S	%		0.015
Ni	%	3.80	4.20
Mo	%	0.50	0.70
Cu	%	1.60	1.90
HL	%		0.15
Physical Properties			
Apparent density	g/cm3	3.00	3.30
Flow rate	s/50g		30.00
Green density 490Mpa	g/cm3	7.06	
Particle size distribution（%）			
180-212um	%		1
150-180um	%		10
45-150um	%		
-45um	%	10	30







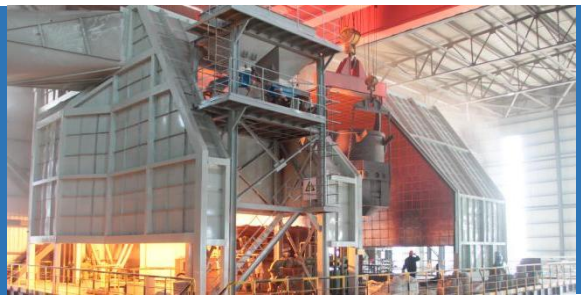
PROPERTIES

LAP100.29D2+0.3%C+0.6%Zn-st, condition: temperature1120℃, sintering time 30min.

Product name	Sintered density(g/cm³)	Tensity strength(MPa)	Impact energy(J)	Rockwell hardness(HRB)	Elongation(%)
LAP100. 29D2	6. 80	438	17	70	1. 98
	7. 00	490	21	92	2. 30

LW POWDER

LWPM



LAP100.29D3

APPLICATION

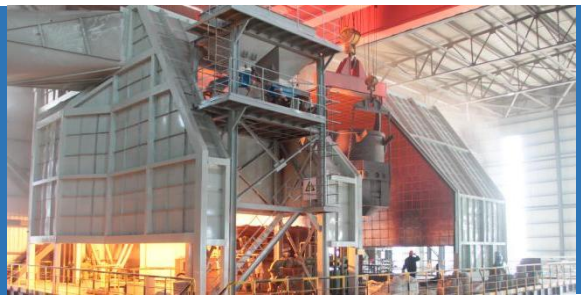
LAP100.29D3 is mainly used for production of high strength materials.

SPECIFICATION

Chemical Properties（%）	Unit	Specification		Typicalvalues
		Min	Max	
C	%		0.015	0.005
Si	%		0.05	0.03
Mn	%		0.15	0.10
P	%		0.015	0.011
S	%		0.015	0.005
Ni	%	3.80	4.20	3.90
Mo	%	1.40	1.60	1.51
Cu	%	1.80	2.20	1.90
HL	%		0.15	0.10
Physical Properties				
Apparent density	g/cm3	3.00	3.30	3.05
Flow rate	s/50g		30.00	25.8
Green density 490Mpa	g/cm3	7.00		7.08
Particle size distribution（%）				
180-212um	%		1	0
150-180um	%		10	2.5
106-150um	%			21.2
75-106um	%			25.9
45-150um	%			30.1
-45um	%	15	30	20.3

LW POWDER

LWPM



LAP100.29D4

APPLICATION

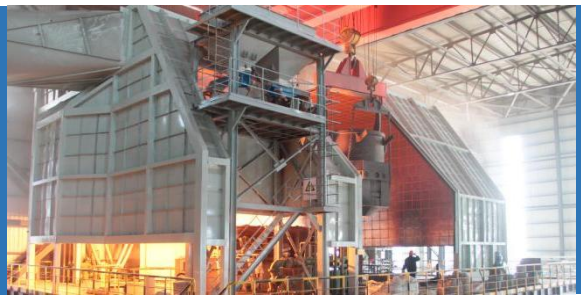
LAP100.29D4 is mainly used for production of high strength materials.

SPECIFICATION

Chemical Properties（%）	Unit	Specification		Typicalvalues
		Min	Max	
C	%		0.015	0.005
Si	%		0.05	0.03
Mn	%		0.15	0.10
P	%		0.015	0.011
S	%		0.015	0.005
Ni	%	1.40	1.60	1.52
Mo	%	0.50	0.70	0.58
Cu	%	1.80	2.20	1.93
HL	%		0.15	0.10
Physical Properties				
Apparent density	g/cm3	3.00	3.30	3.05
Flow rate	s/50g		30.00	25.8
Green density 490Mpa	g/cm3	7.00		7.10
Particle size distribution（%）				
180-212um	%		1	0
150-180um	%		10	1.8
106-150um	%			20.8
75-106um	%			27.9
45-150um	%			28.6
-45um	%	15	30	20.9

LW POWDER

LWPM



LAP100.29D5

APPLICATION

LAP100.29D5 is mainly used for production of high strength materials.

SPECIFICATION

Chemical Properties（%）	Unit	Specification		Typicalvalues
		Min	Max	
C	%		0.015	0.005
Si	%		0.05	0.03
Mn	%		0.15	0.10
P	%		0.015	0.011
S	%		0.015	0.005
Ni	%	0.90	1.10	1.03
Mo	%	1.40	1.60	1.49
Cu	%	0.90	1.10	1.05
HL	%		0.15	0.10
Physical Properties				
Apparent density	g/cm3	3.00	3.30	3.05
Flow rate	s/50g		30.00	26.3
Green density 490Mpa	g/cm3	7.00		7.09
Particle size distribution（%）				
180-212um	%		1	0
150-180um	%		10	3.7
106-150um	%			28.7
75-106um	%			27.4
45-150um	%			24.0
-45um	%	15	30	16.2