

Aluminium Alloys.



Aluminium alloys are produced in ingot form using the latest state of the art technology. we are capable of producing aluminium alloys which can meet the stringent national & international standards like is, bs, jis, din & astm and also as per customers specifications.

We maintain an inventory of raw-material and finished goods and provide a high level of customer service.

CHEMICAL COMPOSITION (%) OF ALUMINIUM CASTING ALLOYS
(Alloying elements are given in ranges, Impurities are single figures and are the maximum)

BS 1490	IS. 617 1959		Copper	Magne- sum	Silicon	Iron	Manga- nise	Nickel	Zinc	Lead	Tin	Tita- nium
LM 1	A 1		6.0-8.0	0.15	2.0-4.0	1.0	0.6	0.5	2.0-4.0	0.3	0.2	-
LM 2	A 2		0.7-2.5	0.3	9.0-11.5	1.0	0.5	1.0	1.2	1.2	0.3	0.2
LM 3	-		2.5-4.5	0.1	1.3		1.0	0.5		0.5	9.0-13.0	0.3
0.2												
LM 4	A 4		2.0-4.0	0.15	4.0-6.0	0.8	0.3-0.7	0.3	0.5	0.1	0.05	0.2
LM 5	A 5		0.1	3.0-6.0	0.3	0.6	0.3-0.7	0.1	0.1	0.05	0.05	0.2
LM 6	A 6		0.1	0.1	10.0-13.0	0.6	0.5	0.1	0.1	0.1	0.1	-
LM 7	A 7		1.0-2.5	0.05-0.2	1.5-3.5	0.3-0.4	0.1	0.5-1.7	0.1	0.05	0.05	0.05-0.3
LM 8	A 8		0.1	0.3-0.8	3.5-6.0	0.6	0.5	0.1	0.1	0.1	0.05	0.2
LM 9	A 9		0.1	0.2-0.6	10.0-13.0	0.6	0.3-0.7	0.1	0.1	0.1	0.05	0.2
LM 10	A 10		0.1	9.5-11.0	0.25	0.35	0.1	0.1	0.1	0.05	0.05	0.2
LM 11	A 11		4.0-5.0	0.1	0.25	0.25	0.1	0.1	0.1	0.05	0.05	0.05-0.3
LM 12	A 12		9.0-10.5		0.15-0.35	2.0	0.5-1.5	0.6	0.5	0.1	0.1	0.1
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LM 13	A 13		0.5-1.3	0.8-1.5	11.0-13.0	0.8	0.5	2.0-3.0	0.1	0.1	0.1	0.2
LM 14	A 14		3.5-4.5	1.2-1.7	0.6	0.6	0.6	1.8-2.3	0.1	0.05	0.05	0.2
LM 15	A 15		0.3-3.0	0.5-1.7	0.6-2.0	0.8-1.4	0.1	0.5-2.0	0.1	0.05	0.05	0.05-0.3
LM 16	A 16		1.0-1.5	0.4-0.6	4.5-5.5	0.6	0.5	0.25	0.1	0.05	0.05	-
LM 18	A 18		0.1	0.1	4.5-6.0	0.6	0.5	0.1	0.1	0.1	0.05	0.2
LM 20	-		0.4	0-15	10.0-13.0	0.7	0.5	0.1	0.2	0.1	0.05	0.2
LM 21	A		2.0-4.0	0.15	4.0-6.0	0.8	0.3-0.7	0.3	2.0	0.1	0.05	0.2
LM 22	A 22		2.8-3.8	0.05	4.0-6.0	0.7	0.3-0.6	0.15	0.15	0.05	0.05	0.2
LM 23	-		0.8-2.0	0.05-0.2	1.5-2.8	0.8-1.4	0.1	0.8-1.7	0.1	0.05	0.05	0.05-0.3
LM 24	A 24		3.0-4.0	0.1	7.5-9.5	1.3	0.5	0.5	1.0	0.3	0.2	-
LM 25	A 25		0.1	0.2-0.45	6.5-7.5	0.5	0.3	0.1	0.1	0.1	0.05	0.2
LM 26	A 26		2.4	0.5-1.5	8.5-10.5	1.2	0.5	1.0	1.0	0.2	0.1	0.2
LM 27	A 27		1.5-2.5	0.3	6.0-8.0	0.8	0.2-0.6	0.3	1.0	0.2	0.1	0.2
LM 28	A 28		1.3-1.8	0.8-1.5	1.7-2.0	0.7	0.6	0.8-1.5	0.2	0.1	0.1	0.2
LM 29	A 29		0.8-1.3	0.8-1.3	2.2-2.5	0.7	0.6	0.8-1.5	0.2	0.1	0.1	0.2
LM 30	A 30		4.5	0.4-0.7	1.6-1.8	1.1	0.3	0.1	0.2	0.1	0.1	0.2
AISI-62			1.8-2.5	0.3-0.7	5.5-7.0	0.4	0.2-0.6	0.1	-	-	-	0.2
AISI-92			1.6-2.5	0.3-0.7	8.5-9.5	0.4	0.2-0.6	0.1	-	-	-	-
0.2												
AISI-132			1.75-2.50	0.3	11.0-12.5	0.7-1.0	0.5	0.3	-	-	-	-
Eicher Alloy			0.1	1.4-1.8	5.0-6.0	0.4	0.1	0.2	-	-	-	-
0.2												
ADC-10	Japanese		2.0-4.0	0.3 Max	7.5-9.5	1.3 Max	-	-	-	-	-	-
ADC-12	Specifn		1.5-3.5	0.3 Max	9.6-12.0	1.3 Max	-	-	-	-	-	-
AC-4B	..		2.0-4.0	0.5 Max	7.0-10.0	1.0 Max	-	-	-	-	-	-
AC-8A	..		0.8-1.3	0.7-1.3	11.0-13.0	0.8 Max	-	-	-	-	-	-
JIS No. H 5202			0.25 Max	9.3-0.6	8.10	0.55 Max	-	-	-	-	-	-
AC4A												

N.B :- Master Alloys of Silicon, Copper, Manganese, Magnesium, Nickel etc., are also manufactured as per the specification required by the customers.