Japanese Die-cast Aluminum Alloy Chemical Composition (%) Table
(Japanese Industry Standard JISH5302:2000)

JIS Material	ISO Material	Cu	Si	Mg	Zn	Fe	Mn	Ni	Sn	Pb	Ti	Al
ADC1		＜1.0	11.0-13.0	＜0.3	＜0.5	＜1.3	＜0.3	＜0.5	＜0.1			Other
ADC1C	Al-Si12CuF	＜1.2	11.0-13.5	＜0.3	＜0.5	＜1.3	＜0.5	＜0.3	＜0.1	＜0.2	＜0.2	Other
ADC2	Al-Si12Fe	＜0.1	11.0-13.5	＜0.1	＜0.1	＜1.3	＜0.5	＜0.1	＜0.05	＜0.1	＜0.2	Other
ADC3		＜0.6	9.0-10.0	0.4-0.6	＜0.5	＜1.3	＜0.3	＜0.5	＜0.1			Other
ADC5		＜0.2	＜0.3	4.0-8.5	＜0.1	＜1.8	＜0.3	＜0.1	＜0.1			Other
ADC6		＜0.1	＜1.0	2.5-4.0	＜0.4	＜0.8	0.4-0.6	＜0.1	＜0.1			Other
ADC7	Al-Si5Fe	＜0.1	4.5-6.0	＜0.1	＜0.1	＜1.3	＜0.5	＜0.1	＜0.1	＜0.1	＜0.2	Other
ADC8	Al-Si6Cu4F	3.0-5.0	5.0-7.0	＜0.3	＜2.0	＜1.3	0.2-0.6	＜0.3	＜0.1	＜0.2	＜0.2	Other
ADC10		2.0-4.0	7.5-9.5	＜0.3	＜1.0	＜1.3	＜0.5	＜0.5	＜0.2			Other
ADC10Z		2.0-4.0	7.5-9.5	＜0.3	＜3.0	＜1.3	＜0.5	＜0.5	＜0.2			Other
ADC11	Al-Si8Cu3F	2.5-4.0	7.5-9.5	＜0.3	＜1.2	＜1.3	＜0.6	＜0.5	＜0.2	＜0.3	＜0.2	Other
ADC12		1.5-3.5	9.6-12.0	＜0.3	＜1.0	＜1.3	＜0.5	＜0.5	＜0.2			Other
ADC12Z		1.5-3.5	9.6-12.0	＜0.3	＜3.0	＜1.3	＜0.5	＜0.5	＜0.2			Other

Japan Die-cast Aluminum Alloy Mechanical Properties Table
(Japanese Industry Standard JISH5302:2000)

Material	Tensile Test						Hardness		
	Tensile Strength (MPa)		Endurance Strength (MPa)		Extend Rate (A/%)		HB		HRB
	Average	ASTM	Average	ASTM	Average	ASTM	Average	ASTM	Average
ADC1	250	290	172	130	1.7	3.5	71.2	72	36.2
ADC3	279	320	179	170	2.7	3.5	71.4	76	36.7
ADC5	213	310	145	190		5.0	66.4	74	30.1
ADC6	266	280	172		64	10.0	64.7	67	27.3
ADC10	241	320	157	160	1.5	3.5	73.6	83	39.4
ADC12	228	310	154	150	1.4	3.5	74.1	86	40.0
ADC14	193	320	188	250	0.5	＜1	76.8	108	43.1