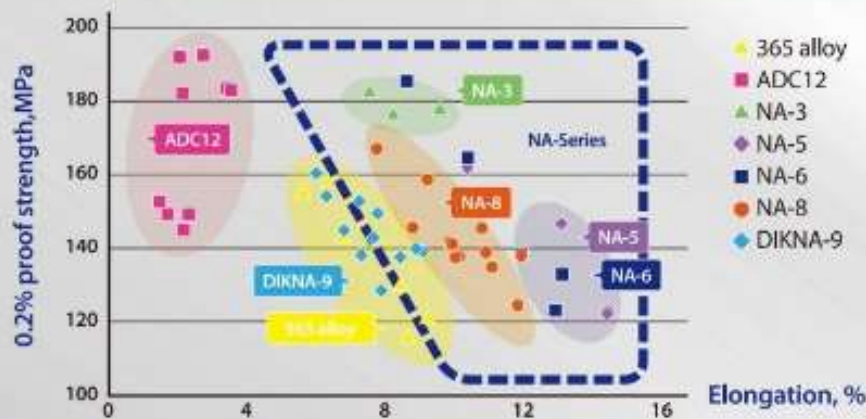


DIK Developed alloy, NA series

Aluminum alloy with high ductility and high yield strength(Patented)



- High yield strength and excellent elongation
- High corrosion resistance
- Less sticking to the die due to the effects of Fe, Mn, and Cr
- All NA series alloys are possible to be made from scrap



Mechanical properties of NA series, 365 alloy and ADC12 (As-cast)

NA series Line up

Alloy name	Cu	Si	Mg	Fe	Mn	Ti	Cr	Sr	Heat Treatment	Ultimate Tensile Strength (MPa)	Elongation (%)	0.2% yield Strength (MPa)
NA-3				6% Si Alloy					F	314	8.5	190
NA-5				4.5% Si Alloy					F	256	14.3	122
NA-6				6% Si Alloy					F	288	13.0	133
NA-8				8% Si Alloy					F	307	10.8	139
DIKNA-9				10% Si Alloy					F	315	8.4	138
365 alloy	0.00	10.11	0.25	0.10	0.59	0.07	-	0.019	F	306	8.3	139
ADC12	Within JIS standard								F	345	2.3	149

- NA-3 has the highest yield strength in the NA series
- NA-8 copes with both yield strength and elongation
- DIKNA-9 has the best castability among the NA series

- Engine Mount, Safety Belt Retractor, Bike Parts, Body frame for automobile, etc...

* The technical data in this document are based on our measurement, and are not guaranteed.



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