

DIK Developed alloy, CR series

Aluminum alloy with high corrosion resistance(Patented)



- Has high corrosion resistance (equivalent to ADC6, Al-Mg alloy).
- ▶ Possible to skip anodizing treatment.
- Achieves low liquidus temperature and good castability (equivalent to ADC12).
- Has good anti-seizing property, resulted from the effect of Cr.

● CS antenna parts, Small pot, Drain parts, etc

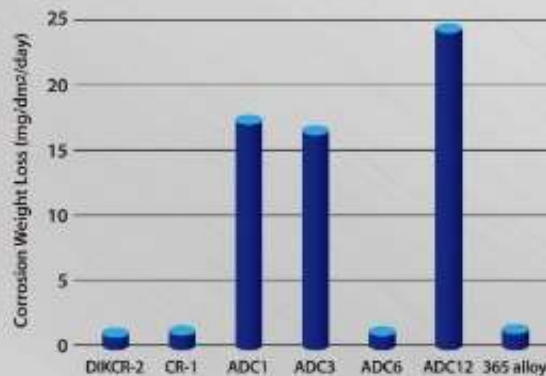


Fig.1 Corrosion Weight Loss of each alloy
(Salt Spray Test for 720hr, DC specimen, n=3)

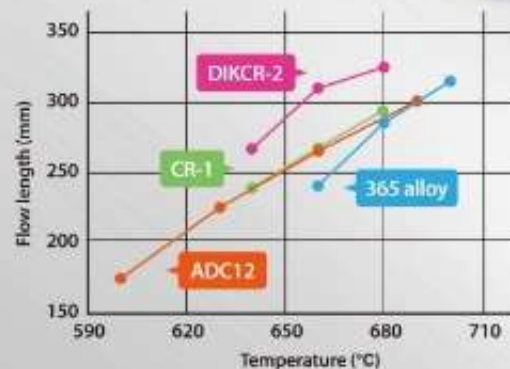


Fig.2 MIT Fluidity test results

Table1 Mechanical properties of each alloys

Alloy name	Corrosion Weight Loss (mg/dm ² /day)	Ultimate Tensile Strength(MPa)	Elongation (%)	0.2% Proof Stress (MPa)	Liquidous Temp. (°C)
CR-1	1.14	288	2.9	155	582
DIKCR-2	0.98	283	3.3	147	582
ADC6	1.10	272	18.1	142	635
ADC12	21.69-27.00	302-354	2.3-3.4	178-185	571
365 Alloy	1.26	313	7.4	166	-

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



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