

CATHODIC BEHAVIOUR OF AL-GA ALLOY IN AQUEOUS SOLUTIONS

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Abstract: *This study has examined the effect of different gallium contents in 5N Al-Ga and 99.8% Al-Ga alloys on the nature of the phenomenon that occurs in the interphase (alloy – solution) during cathodic polarisation at high cathode potentials. After cathodic polarisation, anodic current was traced vs. time in order to determine the quantity of charge necessary for oxidation of substances formed.*

The open circuit potential (OCP) was also examined relative to time for different gallium contents in alloys at different pH values of the NaCl and NaF solution.

Key words: *cathodic polarisation, super-pure aluminium, technical aluminium, Al-Ga alloy*



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