

ABSTRACT

A resin-coated aluminum alloy sheet material for an aluminum electrolytic capacitor case has a superior formability even when being formed into an aluminum electrolytic capacitor case having a large height/diameter ratio, using a volatile press oil.

A resin layer contains wax composed of at least one of polyethylene wax and carnauba wax, and has a thickness falling within a range from at least 2 μm to at most 22 μm . A total of lengths of wax particles, defined when the wax particles are cut along a straight line of 100 μm optionally drawn on the surface of the resin layer, is at least 10 μm . A number of the wax particles, featured by a cross-sectional shape having a size of at most 80 % of the thickness of the resin layer and of at least 0.1 μm , is from at least 3 to at most 50. A number of the wax particles, featured by a cross-sectional shape featured by a major axis extent having a size of more than 80 % of the thickness of the resin layer is less than 10. Although the resin-coated aluminum alloy sheet material is formed into an aluminum electrolytic capacitor case having a large height/diameter ratio, cracks and peelings do not occur in the resin layer.