

Title (en)

ALUMINIUM ALLOY SHEET FOR METALLIC BOTTLE OR CAN OR AEROSOL BOTTLE

Title (de)

ALUMINIUM-LEGIERUNG-BLATT FÜR METALLISCHE BECHER ODER SPRÜHFLASCHE

Title (fr)

TÔLE EN ALLIAGE D'ALUMINIUM POUR BOUTEILLE MÉTALLIQUE OU BOÎTIER D'AÉROSOL

Publication

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Application

EP 14731678 A 20140513

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Abstract (en)

[origin: WO2014184450A1] One subject of the invention is a process for manufacturing an aluminium alloy sheet for a metallic bottle or aerosol container comprising the following steps: casting an aluminium alloy slab of composition (% by weight): Si: 0.10 - 0.35, Fe: 0.30 - 0.55, Cu: 0.05 - 0.20, Mn: 0.70 - 1.0, Mg: 0.80 - 1.30, Zn: < 0.25, Ti: < 0.10, other elements < 0.05 each, and < 0.15 in total, remainder aluminium, scalping and homogenization of the slab at a temperature of 550°C to 630°C for at least one hour, hot rolling, cold rolling with a reduction ratio of 35% to 80%, recrystallization annealing at a temperature from 300°C to 400°C for at least one hour, resumption of the cold rolling with a reduction ratio from 10% to 35% to a thickness of 0.35 to 1.0 mm. Another subject of the invention is a sheet manufactured by a process as mentioned above, and also a metallic bottle or bottle can, and also an aerosol container or aerosol spray can produced from said sheet.

IPC 8 full level

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