

ALUMINUM RIBBON FOR ULTRASONIC BONDING

Abstract:

Provided is an aluminum ribbon for ultrasonic bonding which, even when used for bonding tens of thousands of times, can retain high bond strength and a certain level of bond strength. The aluminum ribbon for ultrasonic bonding comprises aluminium metal or an aluminum-based alloy, the aluminum having a purity of 99.99 mass% or higher. The aluminum ribbon has a nonionic surfactant having a molecular weight of 500 or less, the surfactant having been deposited through vaporization to dryness on a mirror surface of the ribbon in an amount of 100-1,000 $\mu\text{g}/\text{m}^2$ in terms of total organic-carbon amount.

No figure