

THERMOPLASTIC RESIN SHEETS AND FORMED ARTICLES

Abstract

[Problem] It is intended to provide a formed article for food which has excellent antistatic properties and water repellency without impairing its original external appearance and mechanical properties thereof even in a deep-drawn part having a high drawing ratio at forming or even through high temperature forming.

[Solution] A multi-layer sheet is prepared having a multi-layer configuration with two or more types of two or more layers, including a main layer which contains a thermoplastic resin, talc and white pigment, and a skin layer of an antistatic resin composition which contains at least one type of thermoplastic resin and an antistatic agent on an opposite side. By thermoforming the sheet including the resin composition, a formed article which has excellent antistatic properties and water repellency effective for preventing contamination and adhesion of soup powder can be obtained. The polymer antistatic agent desirably contains a fatty acid ester sulfonate salt as a main component, has a surface resistivity of $10^{13} \Omega/\square$ or less, and has a water droplet contact angle of 90° or more. The multi-layer sheet is desirably prepared by co-extrusion.

[No Fig.]