

Molded Plant Fiber Manufacturing Process

Abstract

Molded plant fiber shaped bodies can be used as packaging for industrial goods, consumer products, food, disposable food containers, toys and many others. Molded plant fiber shaped bodies are biodegradable and compostable as they are made of plant fibers or agriculture residues and degradable adhesive binders. This invention discloses a manufacturing process making use of low viscosity and low consistency plant fiber slurry with vacuum and thermal forming processes. The invention can be easily used to upgrade conventional molded pulp production to produce molded plant fiber shaped bodies.