

MUSHROOM® PACKAGING

DESCRIPTION

Ingredients | Hemp hurd + mycelium
Home-Compost | 30 days
Marine-Compost | 180 days

100% home-compostable. No industrial composting required. Simply break into small pieces and place outside in the soil, allowing nutrients to return to the Earth.

CERTIFICATIONS

Cradle to Cradle Gold Certified

USDA Biobased Preferred

Class A Fire Retardant

Biodegradable Product Institute Certified

International Living Future Institute,
Declared Red-List Free

VOC Free

Aldehyde Free

DETAILS

Render & Quote | 1-2 weeks
Prototyping | 4-6 weeks
Grow Time | 7 days

Our product is a living material and is **grown to shape**. The material is grown in the tray for 4 days, then removed to grow for 2 more days, and dried for 1 day.

ORDER

Designed in Upstate NY

Every piece is custom designed

Order your custom-packaging |
mushroompackaging.com

Standard shapes are available |
paradisepackaging.co

Grown and distribution by |
paradisepackaging.co
magicalmushroom.com
grown.bio

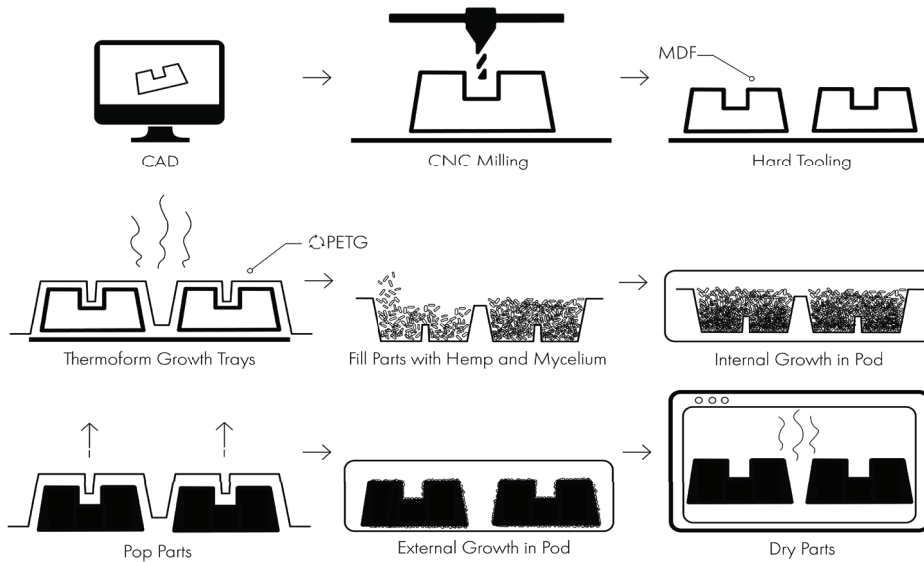


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PROCESS OVERVIEW



STEPS

- 1 | Our designers generate a 3D model of your Mushroom® Packaging insert and route a actual-size positive using a CNC machine.
- 2 | We thermoform the positive to make growth trays— which are reused hundreds of times.
- 3 | The trays are filled with hemp hurds and mycelium which grow for 4 days.
- 4 | The grown parts are removed from the tray and grow for another 2 days to create a velvety layer of overgrowth.
- 5 | The parts are dried to disable future growth. The Mushroom® Packaging is ready to protect your product in shipment.

ATTRIBUTE

STANDARD

HEMP BLEND

| | | |
|---|------------|-------|
| Density lbs/ft ³ | ASTM C303 | 7.5 |
| Compressive Strength psi | ASTM C165 | 18 |
| Compressive Elastic Modulus psi | ASTM C165 | 165 |
| Flexure Strength psi | ASTM C203 | 34 |
| Compostability days | ASTM D6400 | 30 |
| Flame Spread m ² /m ² | ASTM E84 | 20 |
| Smoke Emission m ² /m ² | ASTM E84 | 50 |
| Thermal Conductivity @ 10°C W/mK | ASTM C518 | 0.039 |
| Water Vapor Permeation dry cup | ASTM E96 | 30 |
| Moisture Storage @ 53.5% RH % | ASTM C1498 | 8 |
| Moisture Storage @ 75% RH % | ASTM C1498 | 12 |



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