After clicking Log In you will be prompted with this login box where you will input your username and password.
CLICK on My Account to select your language.
after logging in to the materials database. Here you can browse recently viewed materials, new additions, and popular materials or begin a preliminary search by entering keywords or MC#. For a preliminary search, enter desired keywords into the search field. As you type, a list of suggestions will appear below. Clicking on one of these suggestions will lead to a material.
A SEARCH for “Innovative Packaging” yields 422 results due to the broad nature of the search. Results can be narrowed by clicking on Refine Search.
BY NARROWING SEARCH to include sustainable characteristics such as biodegradable and recycled, results are automatically updated to reflect materials with these attributes.
TO LOOK FOR A MATERIAL with specific characteristics, click on Advanced Search.
Here you can narrow your search by category, processing, sustainability, usage characteristics and physical properties.
After checking each box the number of available materials meeting these criteria is automatically updated. The more precise your selection, the fewer the search results. After checking the desired boxes, click on the orange Show All button at the right to see your results.
Here you can see the search results based on the search criteria submitted in the advanced search page. Search results can be viewed in “Text + Images,” “Images Only,” or “More Text” grid format.
HERE YOU CAN SEE the search results further narrowed to 20 results by selecting an additional search criteria (Compostable).
IN THE SEARCH RESULTS, you can tag materials by checking the little tick boxes on the bottom left of each image. After selecting materials, type in a tag label and click the orange plus sign to the right of text entry. These materials will then show up as the desired tag under My Materials.
After clicking on the orange plus sign, a message saying “Your tag has been saved under My Materials” will appear. Click on My Materials to see your tags. By clicking on your tag, in this case, “Packaging Materials,” you will be directed to a page displaying these materials,
Click on images only (circled) to see results in images only format. Clicking on a material leads to material and manufacturer information.
ABOVE, you can see your results further narrowed by selecting another criteria.
BY TYPING IN THE SEARCH FIELD, options will appear based on the beginning of the word. If you know the name of the material, start typing it and click on one of these options if it is the material you are searching for and you will be taken to the product page.
ecocradle™
Ecovative Design LLC >>
MC#: 6596-01
Category: Naturals

Packaging made from agricultural waste materials and produced by living organisms. Regionally available agricultural byproducts like cotton burrs, rice hulls, and buckwheat hulls that are high in lignin are used to grow fungal mycelium, the roots of mushrooms. Producing the material is an extremely low energy process because the material is grown in the dark, with no watering and no petrochemical input. The organisms grow in 7 days, forming miles of tiny white fibers that envelop and digest the seed husks, and bind them to form the final product. The entire process uses about 10 times less energy per unit of material than the manufacturing of synthetic foams. It has a 6 – 8 lbs/ft³ (0.098 – 0.128 g/cm³) density. The product is 100% biodegradable and compostable. The material is a replacement for expanded polystyrene custom molded foams, and is designed for use as a packaging material.

Country of Origin: United States of America

Processing
Injection Molding: No
Extrusion: No
Cold Pressing/Deep Drawing: No
Blow Molding: No
Thermoforming: No
Lamination: No
Printable: No
Stitchable: No
Rolomolding: No
Weldable: No
Wood Working Tools: Yes
Die cut: No
Metal Working Tools: Yes
Castable: No

Sustainability
Biodegradable
Compostable
Non-toxic/hazardous
Renewable

Usage Properties
Crush to Cradic: N/A
Fire resistance: Medium
Usage temperature: Low
Colorfastness: Medium
Weather Resistance: Low
Water Resistance: Low
Acoustics: Sound absorbing
Chemical Resistance: Low
UV resistance: Medium
Scratch resistance: Low
Outdoor use: No
Tear resistance: Low
Reflectivity: Light-absorbing
Stain Resistance: Low
Thermal Conductivity: Low

Physical Properties
Stiffness: Stiff
Structure: Closed
Impact Resistance: Good
Surface/Texture: Matte, Texture
Transparency: Opaque
Surface Hardness: Semi-hard
BY CLICKING on the Manufacturer Contact tab, you can see all of the relevant contact information.
MATERIAL PAGES can also be emailed by clicking on the Email tab.
SEARCHES can also be conducted by selecting the recently viewed dropdown menu.
In addition to being able to tag materials directly from the search results page, it is also possible to tag materials from the product page. Type in how you would like this material to be tagged and click on the orange plus sign.
After tagging the material, it will show up in the My Materials dropdown window.
We encourage anyone with suggestions to provide us with their feedback as we are constantly working to improve the user experience to ensure our vast database is efficiently utilized.