

## BIO-CASSAVA BAG

Bio-Cassava bags are bio based alternative that becomes the ideal replacement to petroleum based plastic bags. Due to its unique composition it is widely considered in the world as one of the lowest cost for bio-plastic.

### 1. What is it made from?

It is made from cassava starch and vegetable oil derivatives as a sustainable alternative to traditional plastic bag.

### 2. What is the printing ink made from?

The ink for the printing logo is alcohol based, heavy metal free, non-toxic and eco-friendly.

### 3. Will the bag dissolve in water?

The ink for the printing logo is alcohol based, heavy metal free, non-toxic and eco-friendly.

### 4. Is the bag edible?

The main purpose of the bag is to carry stuff and/or as multi-function bag. The bag has passed Oral Toxicity Test but please note that this test can't be compared in any way to food regulatory test, thus this product is not considered as food or beverage.

### 5. How long is the shelf life?

The shelf life is up to 2 years if stored in its original-sealed protective PE packing. Once the PE packing is opened, the shelf life of cassava bags shortens to months (less than 1 year) when stored in ideal storage condition.

### 6. How to measure the bag?

Calculation will be based on bag's width x length x thickness.



Dimension: 40/28 cm x 45 cm x 40 micron
Total width : 40 cm ( total width + gusset)
Width : 28 cm
Length : 45 cm
Thickness : 40 micron

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**7. What is the minimum width and length of bag with print?**

The minimum width of bag (including gusset) is 16 cm, minimum length is 25 cm.

**8. What is the maximum width and length of bag with print?**

The maximum width of bag (including gusset) is 60 cm, maximum length is 100 cm.

\*We can accommodate production of bag with width up to 90 cm and length up to 160 cm, without print.

\*Due to technicality during the making of printing cylinder, we are unable to accommodate bag with width ranging from 33 cm – 37 cm.

**9. What is the minimum and maximum micron thickness?**

The minimum micron thickness is 40 micron, the maximum micron thickness for bag without gusset is 100 micron while the bag with gusset the maximum micron is 50.

**10. Can we customize the Cassava bag and how about the price?**

Yes, you can customize the size and design according to your needs. Measurement will be based on bag’s width x length x micron thickness. For design, please attach desired logo in Adobe PDF, Adobe Illustrator or Vector file. The price will depend on the bag’s specification.

**11. Minimum Order Quantity (MOQ) for generic (non-customized) bags?**

You can purchase at minimum One pack for domestic sales (Indonesia only) meanwhile for international customer (outside Indonesia) the minimum purchase is one carton. One pack consists of 50-200 pcs of bags and one carton consists 500-2.000 pcs of bags. It depends on the bag type and size. There are total 4 type & size of the bags.



**12. Minimum Order Quantity (MOQ) for custom bags?**

10.000 pcs/size/design/color.

### 13. How many colors are available for the bags?

Up to 12 base colors are available, please see image below:

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Available printing color :



### 14. Is there any limitation for printing of the logo/design?

A Printing cylinder is needed for each ink color printed on each side of the bag (maximum 2 ink colors), example:

- Two colors, one side : 2 cylinders needed
- One color, two sides : 2 cylinders needed
- One color, one side : 1 cylinder needed

### 15. What is a printing cylinder?

Printing cylinder is a chromed cylinder with final customized design on it and it is needed to print the logo/design onto the bag. Printing process will be done at the same time during bags production process. One cylinder can be used up to 70.000 - 100.000 pcs as long as the bags are of the same size and the same design.

### 16. How much is the cost of printing cylinder?

The cylinder pricing depends on width and length of the bag, our sales team will assist you for the cylinder cost information.

### 17. How about my brand consistency application on Avani Bio-cassava bag product?

Considering the raw materials used for the cassava bags are bio-based, the consistency of quality is a challenge that we continually improve at any time. For this reason, a deviation of 5-10% can occur in the results of bag colors and the printing colors.

**18. What can be carried inside the cassava bag and what is the load capacity?**

The cassava bag is most ideal to carry dry items. The load capacity depends on the bags specification / thickness. For our generic product, you can always check on our catalog product information.

**19. Can the Cassava bag be re-used?**

Yes, of course, please re-use it as many times as possible.

**20. How should I store and handle the bag?**

Cassava bags that are already opened from its PE packaging must be stored in clean room with good air circulation and natural ventilation and a humidity about 60% of tropical climate. As due to its organic nature, there's a chance that the bag will get moldy or lose its moisture and become crunchy – like dry leaves.

- Due to the organic materials used to make the cassava bags, humid condition or extreme weather should be avoided.
- Please avoid direct prolonged contact of cassava bags with water as it will alter the bag's texture and durability.

**21. What about the end life of the used cassava bags?**

We highly recommend you to compost the cassava bag after its usage. The cassava bag can be composted with home composting method even in your own backyard. The time needed to compost the bag depends on condition of the composting set up (i.e materials used in the composting mixture) and the treatment applied to it.

**22. Can I buy a cassava sample kit first for trial?**

Yes, we recommend you to purchase our cassava bag sample kit for you to have a trial on your own. Our sales team will assist you for the order process.

**T-Shirt bag - Small**

Dimension:

26/16 cm x 30 cm x 40 micron

Load capacity : 2 kg  
Pieces per pack : 100  
Pieces per carton : 2,000  
Weight per carton : 16,5 kg  
CBM : 0,028 cbm

**T-Shirt bag - Medium**

Dimension:

40/28 cm x 45 cm x 40 micron

Load capacity : 4-5 kg  
Pieces per pack : 50  
Pieces per carton : 1,000  
Weight per carton : 15 kg  
CBM : 0,028 cbm

**T-Shirt bag - Large**

Dimension:

49/35 cm x 55 cm x 50 micron

Load capacity : 7 kg  
Pieces per pack : 50  
Pieces per carton : 500  
Weight per carton : 15  
CBM : 0,028 cbm

**Griphole bag - Medium**

Dimension:

40/28 cm x 45 cm x 40 micron

Load capacity : 2 kg  
Pieces per pack : 50  
Pieces per carton : 1,000  
Weight per carton : 18  
CBM : 0,028 cbm