

Strame Compostable Corn Straw

Presented By PMI Packaging Sdn Bhd

http://www.pmipackaging.com







Specification of PLA Straw (Strame)

Material

03

100% plant-based renewable resources (Corn Starch). Also known as PLA (polylactic acid)

Certified Standard

05

SIRIM, Din-Certo, BPI, OK Compost, KWP, Compostable.





Customized Size

Our Range starts from 5.5mm up to our 12mm straw – perfect for slurping smoothies or bubble tea.

01

Wrapping

Individual single-piece transparent or corn film wrapped to meet the different consumer groups demands.



02

Packaging

Individual single color or multiple color packaging in retail box pack.



Biodegradable

Compostable

A biodegradable material is not necessarily compostable. A compostable material is always biodegradable

Biodegradable refers to the ability of a substance to break down into small enough parts so that microorganisms can consume it. Biodegradable products break down naturally when placed in a land fill, if given enough time. "Bio" meaning "life," "degrade" meaning to break down, and "able" of course meaning that it can happen.



Compostable



Compostable refers to the ability of a microbes to break down materials. Products that compost leaves no visible, distinguishable or toxic residue and generally help improve the soil. Composting is the process of recycling organic waste so that it can eventually be reused.

Biodegradable

Biodegradable vs Compostable

What's The Difference ??

Requires heat, water, oxygen and micro organisms but may never fully break down

Biodegradable

Compostable

Breaks down into non-toxic components

Requires heat, water, oxygen and micro organisms to fully break down

Biodegradable

Compostable

Breaks down into non-toxic components

Requires heat, water, oxygen and micro organisms to fully break down

Breaks down completely and does not harm plant growth

faster as long as the right

condition are met

pieces of plastic over a longer

period of time



Here's how to know which PRODUCTS are truly compostable in your curbside bin.

⊘ YES, IF IT'S A PAPER PRODUCT *NOT* LINED WITH PLASTIC.

Many foodservice paper products are lined with petroleum-based plastics, which contaminate our soils when composted.



pizza





YES, IF IT'S A CERTIFIED COMPOSTABLE "PLASTIC."

If it looks like it contains plastic, it must be a certified "bio-plastic" to be safe for soils.



Products that appear to contain plastic must be certified compostable by BPI.





ASTM D6400 ASTM D6868

@ingeo @ NatureWorks LLC





These labels DO NOT mean compostable.

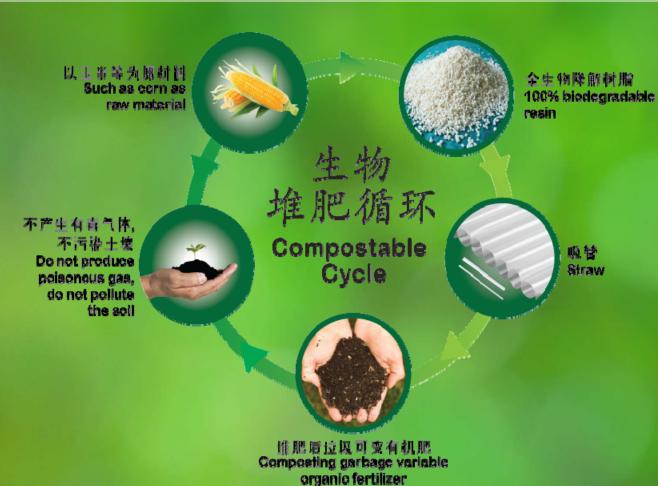
MADE FROM PLANTS MADE FROM PLANT STARCH **BIODEGRADABLE OXO-DEGRADABLE** BIO **ECO-FRIENDLY EARTH-FRIENDLY** MADE WITH RECYCLED CONTENT GREEN



Find out more compostable products at www.pmipackaging.com



Compostable Cycle Chart



Features of Compostable Corn Straw





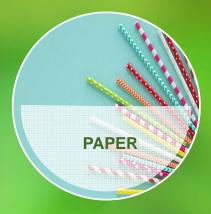
Difference Between Common Straws



- one time use, end up in the landfill and pollute communities
- Plastic is not enenvironmentally friendly
- contains BPA or other toxins that leach into our food and damages our health
- made out of petroleum biproduct polypropylene
- when exposed to hot water or steam, plastic straws can easily melt and leak toxins
- take up to 200 years to decompose



- PLA stands for polylactic acid which is made from renewable resources, such as sugarcane or corn starch
- It decomposes forming carbon dioxide and water, which present no danger to the environment
- unlike recycling, no chemicals or processes are required to dispose of a biodegradable straws
- composting is a natural process of degradation of plant and animal material and returns nutrients back to the soil.



- paper straws getting soggy too quickly
- colour of paper straws
 leaching into drinks after few hours
- No certification provided from government
- Any quality which can get from market
- No food grade certification
- Anti wet chemical & glue solute into drinks might cause consumer health issue
- Bad carton smell



- can't see the liquid coming up the straw
- not convenient with little kids to see if they actually are drinking
- drinking a cold smoothie?
 The straw gets super cold
- Washing the straw in hot water? Careful, don't burn yourself
- most expensive investment if you are in huge usage
- Might be hard on sensitive teeth. May have sharp edges.

Save The Earth



Say "NO" To Plastic, Use Compostable Straw



Did you know plastic straws are killing fish, turtles and sea life while also destroying the ocean environments? The environmental impact from discarded plastic straws has drawn attention of consumers around the world. Many governments have begun to discuss this issue. Few of them have legislated restrictions on the use of plastic straws. In response to the urgent needs of the market, PMI has officially invested in the development and manufacture of plantbased PLA compostable straws (Strame). PMI Strame are certified from SIRIM, OK Compost and SGS hence they are completely harmless to the environment and the ecosystem at large.



PMISTRAME

STRAME

Is a unique, biotechnology company that produces Biodegradable products that are 100% natural and completely compostable

Our straws are exclusively made in Malaysia so you can always trust that they are safely made and to the highest quality standard.

Our Range starts from 5.5mm up to our 12mm straw – perfect for slurping smoothies or cold ice tea. Our straws are flavour proof which means your favourite smoothies will not taste like paper

We have started a new product (Compostable Straws) a replacement for plastic Straws. Highly, environment friendly, these products are all made from renewable resources. (Corn Starch)

Plastic products may take upto a thousand years to degrade, while these products biodegrade within 3-6 months in a composting system.

Our straw features: Use plant-based renewable materials, Compostable, Eco-friendly, Reduce carbon footprint, suitable for cold and hot drinks.

STRAME International and Local Compostable Certification



