

# PLA COATED PAPER

TRADE TECHNOLOGY PROJECT INFORMATION

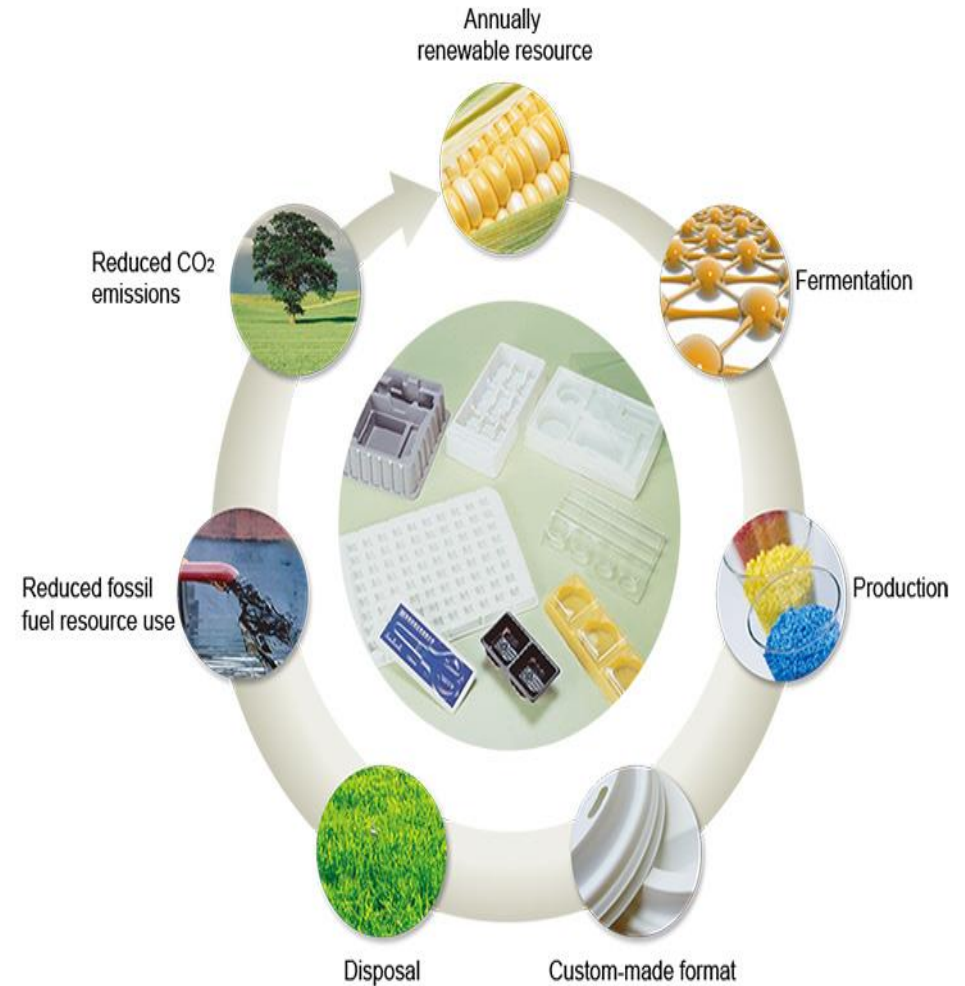
Presentation by

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# WHAT IS PLA – POLYLACTIC ACID ?

❖ Polylactic acid (PLA) is a biodegradable polymer derived from lactic acid.

❖ Polylactic Acid (PLA), an affordable, recyclable, innovative packaging material made from renewable resources.



# PROCESSING

❖ **PLA-based coatings can be successfully processed on traditional PE lines when modifications are made to the formulation**



# COATED PAPER CUPS

- ❖ **The paper cups are coated with PE (Polyethylene) derived from oil, to make board waterproof.**
- ❖ **Cups coated in PLA (Polylactic acid) the plastic is derived from plants, so both the board and the coating are derived from fully renewable sources.**



# PE COATED CUPS - BANNED

- ❖ Plastic-coated paper products include milk and juice cartons, hot and cold paper drinking cups, frozen food containers, plastic-lined paper bags, take-out containers and some paper plates.
- ❖ Polylactide (PLA) is the most studied and easily available biobased and bio-degradable polymer. As such PLA would be a good candidate to be coated on to paper for complete compost ability at the end of life.



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**PLA Coated Paper**

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**QUESTIONS?**

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