



Melodea
RECYCLABLE PACKAGING SOLUTIONS

**SUPERIOR PACKAGING BY DESIGN
SUSTAINABLE BY NATURE**

PAPER PACKAGING FOR TEA SACHETS





MELODEA 'S PAPER PACKAGING EXPERTISE, BUILT FOR TEA BRANDS

A PPWR-ready, fully recyclable paper alternative to foil and multilayer plastic.

No CapEx, drop-in ready, with grease, moisture, oxygen, and aroma barrier built for tea brands and Tested with leading tea manufacturers.

A vertical image on the left side of the slide shows a tea bag being lifted out of a glass cup of tea. The tea is a rich brown color, and there is a splash of liquid around the bag. Several green tea leaves are visible above the cup. The background of the entire slide is a light blue gradient.

THE CHALLENGE

Most tea sachet wrappers today are paper, plastic, and metallization, layered together. The structure protects aroma, but it can't be recycled or repulped.

As brands move toward recyclable packaging, the sachet overwrap is one of the categories furthest behind.



Challenges with Other Paper Solutions

MELODEA'S PPWR-READY SOLUTION

Aroma escapes, tea loses character

Full aroma high-barrier

Moisture gets in, tea loses freshness

Moisture barrier matched to laminate performance

Current wrapper can't be recycled

100% recyclable, repulpable paper

New equipment, risky changeover

True drop-in, no CapEx, runs on existing lines

Sealing adjustment may be required on existing lines

Heat-sealable on standard equipment

ONE PAPER. ALL THE AROMA BARRIER YOU NEED.

MELODEA
PPWR- READY
SOLUTION



Superior Moisture, Oxygen, and Aroma Barrier (WVTR and OTR)



Water-Based, Recyclable, and Repulpable



Universal Sachet Packaging Compatibility



Advanced R&D Center, thousands of hours of dedicated paper-science research



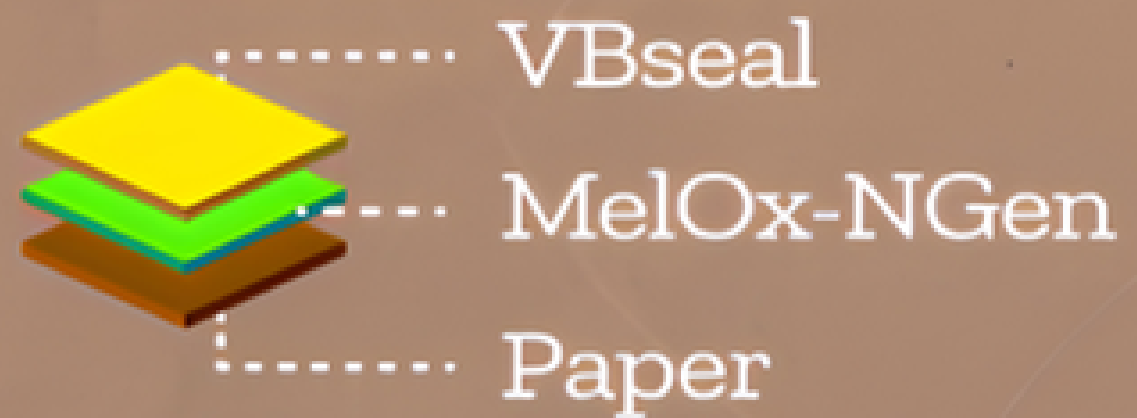
FDA, BfR EFSA approved food-contact materials



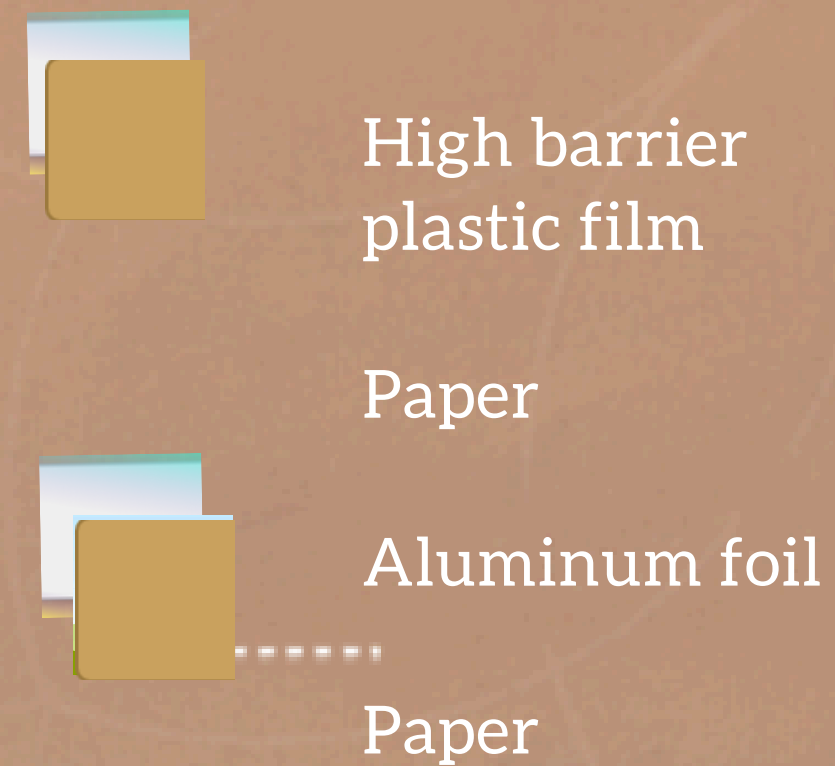
90 days from decision to production-ready

ULTRA-HIGH BARRIER PAPER

NEW STRUCTURE



OLD



SHELF-LIFE TRIAL

MELODEA'S COMBINED OTR + WVTR BARRIER PAPER

- In Melodea's shelf-life trial, the structure **passed humidity testing at 85% RH with strong results. Aroma retention held at a high level**, helped by the pack's seal closure.
- Performance matched, and in places outperformed, the non-recyclable laminate it replaces.



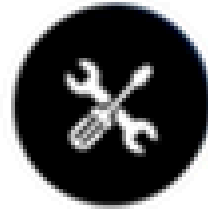
REGULATORY COMPLIANCE & CERTIFICATIONS

FREE of:

- Bisphenol A
- Phthalates
- PFAS



PRODUCTION AND IMPLEMENTATION



SUITABLE FOR PRODUCTION USING
COMMON PRINTING MACHINES, SUCH AS
GRAVURE OR FLEXOGRAPHIC PRINTING



READY FOR
LAMINATION WITH
VARIOUS ADHESIVES



COMPATIBLE WITH
VARIUS TYPES OF INKS



Melodea
RECYCLABLE PACKAGING SOLUTIONS

360° SUPPORT



Advanced R&D center
for packaging optimization



Mocon instruments
for WVTR/OTR measurement



Seamless Transition to Production



EXPERT SUPPORT
PROVIDED THROUGHOUT
IMPLEMENTATION



Melodea
RECYCLABLE PACKAGING SOLUTIONS

RECOGNITION



FachPack 2019



WPO

WORLD
PACKAGING
ORGANISATION

WORLDSTAR
WINNER 2020

Interpack 2020



Packaging Europe
2023

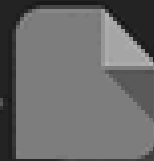


2024 GLOBAL RECOGNITION AWARD

WINNER

WWW.GLOBALRECOGNITIONAWARDS.ORG

Global Recognition
2024



2019
SUSTAINABILITY
AWARDS



25 SEPTEMBER 2019 • NÜRNBERG, GERMANY

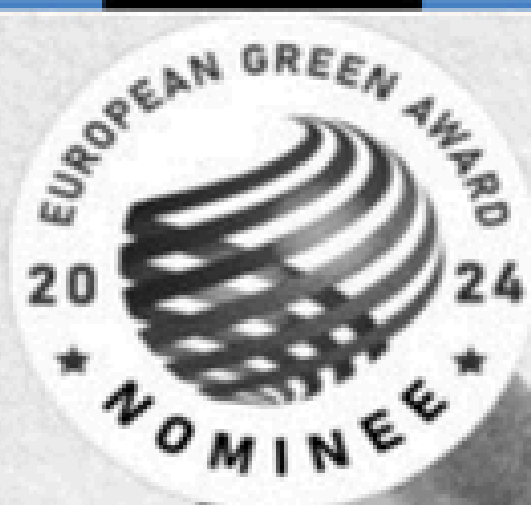
THE
SUSTAINABILITY
AWARDS



Sustainability.
AWARDS
2024
FINALIST



Sustainable Packaging
Innovation, 2024



European Green, 2024



World Sustainability
Awards 2024

WORLD
SUSTAINABILITY
AWARDS 2024

US
PLASTICS
PACT
SUSTAINABLE PACKAGING
INNOVATION AWARD
RECYCLABILITY
2024
FINALISTS

World Sustainability
and ESG Awards 2024



**YOUR
RECYCLABLE PACKAGING
IS ONE STEP AWAY**

