



**SUPERIOR PACKAGING BY DESIGN
SUSTAINABLE BY NATURE**

Butter Packaging Presentation





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

No CapEx, drop-in ready, with grease, moisture, oxygen, and aroma barrier built for butter and dairy.

**MELODEA'S
PAPER
PACKAGING
EXPERTISE, BUILT
FOR DAIRY**



CHALLENGES WITH OTHER PAPER SOLUTIONS

- ✗ Grease bleeds through, pack looks ruined
- ✗ Paper dries out or spoils faster than foil
- ✗ Oxygen exposure → color change, rancidity, shorter shelf life
- ✗ Won't seal properly on our line

MELODEA'S PPWR-READY SOLUTION

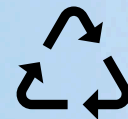
- ✓ Ultimate oxygen, oil & grease barrier, built for high-fat dairy
- ✓ Moisture barrier < 2 cc/m²-day, matches foil-grade freshness
- ✓ Ultra-high oxygen barrier < 0.5 cc/m²-day
- ✓ Heat-sealable on standard equipment



THE MELODEA'S SOLUTION-ONE PAPER. ALL THE BARRIER YOU NEED!



Superior Water Vapor, Oxygen, Grease and Aroma Barrier (WVTR and OTR)



Water-Based, Recyclable, and Repulpable



Universal Packaging Compatibility



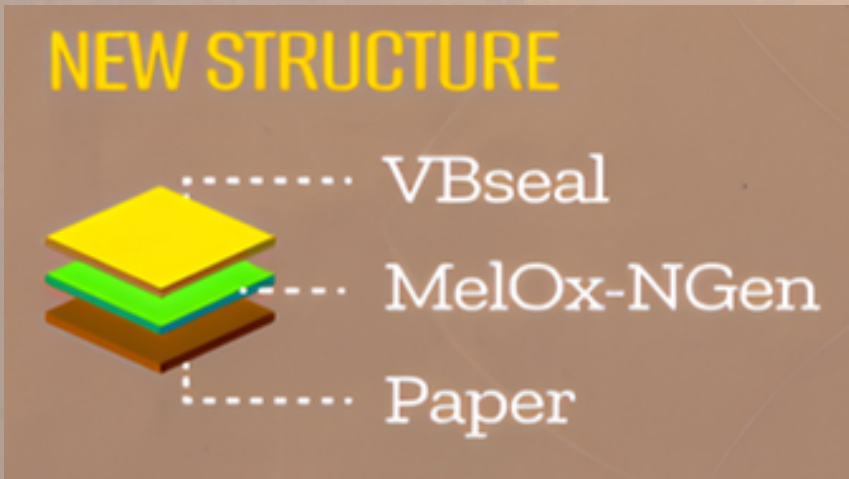
Advanced R&D Center, thousands of hours of dedicated paper-science research



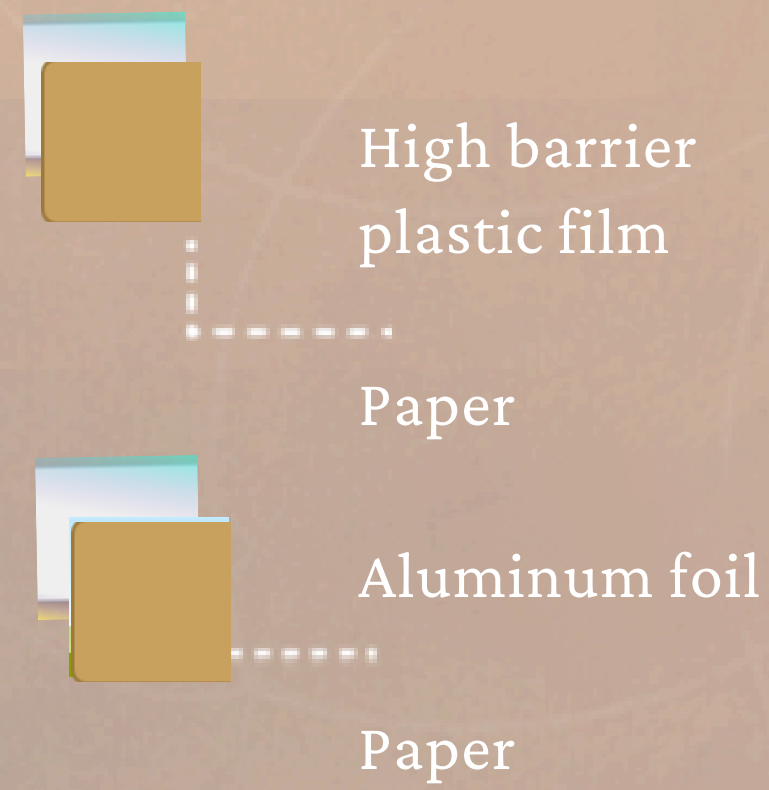
FDA · BfR · EFSA approved food-contact materials



ULTRA-HIGH BARRIER PAPER



OLD



SHELF-LIFE TRIAL, BUTTER & SOFT BUTTER ON MELODEA'S OTR & WVTR BARRIER PAPER

WHAT WE TESTED:

Moisture and oil migration through the structure, the **migration that drives spoilage**. **Visual color stability** of the butter itself, the clearest sign of oxidation and **lost freshness**.

TEST SETUP:

Butter and soft butter packed in Melodea's paper vs. an aluminum-laminate control. Same conditions, same timeline, side by side, in Melodea's in-house lab.

RESULT:

Matching moisture and oil retention, no visible color shift, freshness held at parity with foil, on a fully recyclable structure.





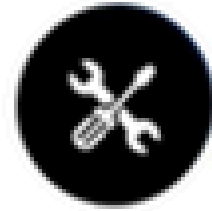
REGULATORY COMPLIANCE & CERTIFICATIONS

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



RECOGNITION



FachPack 2019



WPO

WORLD
PACKAGING
ORGANISATION

WORLDSTAR
WINNER 2020



Packaging Europe
2023



2024 GLOBAL RECOGNITION AWARD

WINNER

WWW.GLOBALRECOGNITIONAWARDS.ORG



Interpack 2020



Global Recognition
2024



Sustainable Packaging
Innovation, 2024



European Green, 2024



World Sustainability
Awards 2024



World Sustainability
and ESG Awards 2024



Melodea
RECYCLABLE PACKAGING SOLUTIONS

YOUR
RECYCLABLE PACKAGING
IS ONE STEP AWAY

