Natvia™

Biobased & Biodegradable Films

A New Era for Biobased and Biodegradable Films

Taghleef Industries proudly manufactures NATIVIA®. A Global Brand of Biaxially Oriented Biobased and Biodegradable Films.

Sustainability Attributes & Certifications

BIOBASED

NATIVIA® films are made from biobased polymers derived from renewable resources, helping to reduce dependency on limited fossil resources and greenhouse gas emissions. NATIVIA® BOPLA films are certified OK biobased-4 stars by TÜV AUSTRIA.

INDUSTRIAL COMPOSTABILITY

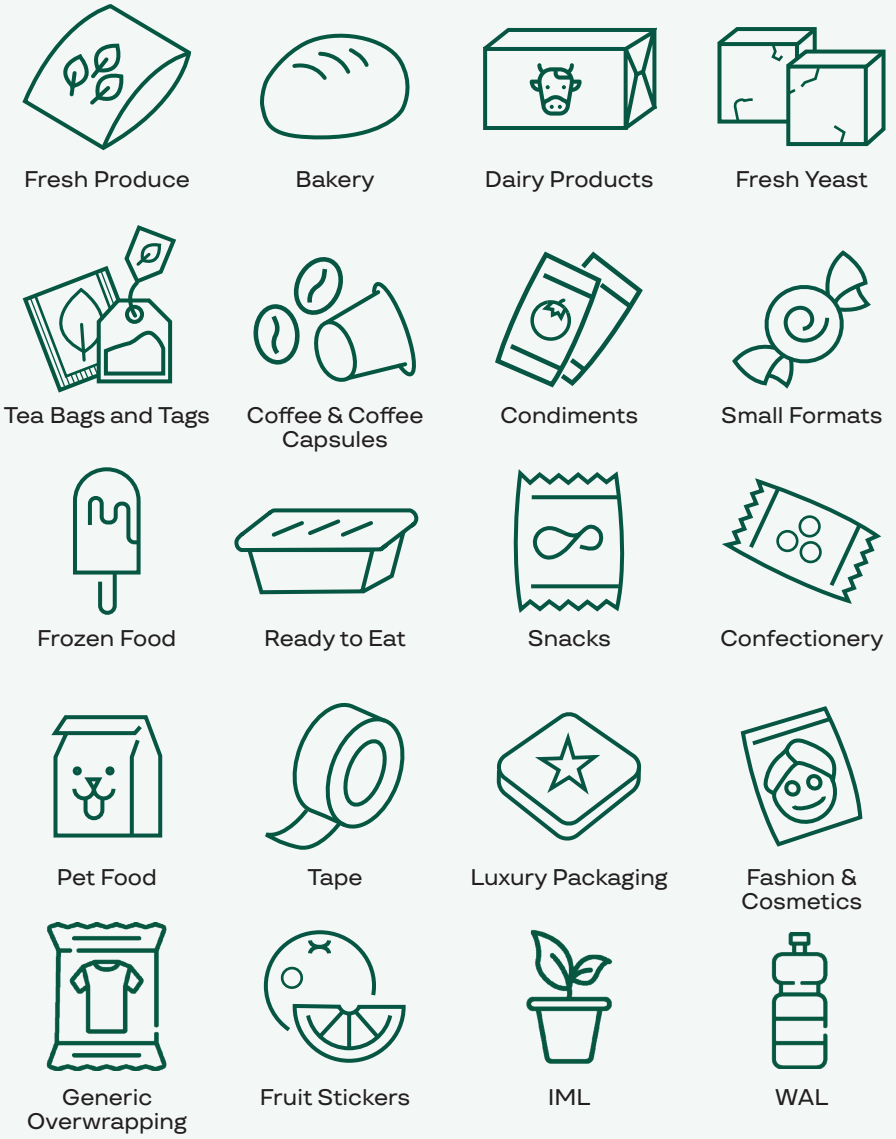
NATIVIA® industrially compostable films are designed to be disposed of with food and organic waste. Where permitted by local authorities, certified compostable packaging based on NATIVIA® BOPLA films can be disposed of in organic waste bins, for collection and processing by industrial composting facilities, where it will biodegrade into compost. NATIVIA® BOPLA films are certified for industrial compostability by DIN CERTCO according to the EN 13432 standard.

HOME COMPOSTABILITY

NATIVIA® films belonging to the Plus family are made from a mix of biodegradable polymers and are specifically designed for home compostability.

NATIVIA® films are not recyclable through traditional conventional plastic streams.
They are also not intended to be littered in the soil, fresh water or marine environments.

Segments and Applications



Unfold the New Generation of Natiʊia™ Selections

ESSENTIAL
BOPLA
Biobased
Industrially Compostable

PREMIUM
Biobased
Industrially Compostable
High Quality

PROTECT ESSENTIAL
BOPLA
Biobased
Industrially Compostable
High Barrier

PLUS
Biopolymer Mix
Biobased
Designed for Home Compostability

PROTECT PLUS
Biopolymer Mix
Biobased
Designed for Home Compostability
High Barrier

World's First-Ever
Biaxially Oriented PHA / PBSA Film
Produced on an Industrial Scale

Naturally Innovative

Portfolio

NATIVIA® films can be used in existing converting and packaging technologies as a mono-web, in lamination with paper or in lamination with other compostable films.

NATIVIA® range includes different aesthetical grades and technical features and is designed to cover a wide range of flexible packaging, labels and graphic arts, for food and non-food applications.

Essential - BOPLA, Biobased, Industrial Compostable

Product	Thickness µm	OTR cm3/m2/d	WVTR g/m2/d	Sealability MST°C	Main Features
NTSS	20 / 25 30 / 40	1100 / 900 730 / 540	440 / 330 270 / 200	85°C	Transparent, both sides heat sealable
NTHS	20 / 30	1100 / 730	440 / 270	85°C	Transparent, improved heat stability, both sides heat sealable
NNTN	40	540	200	85°C	Transparent, improved heat stability, one side heat sealable
NNTS	20 / 40	1100 / 540	440 / 200	85°C	Transparent, improved heat stability, one side heat sealable (and treated)
NTLF	20	1100	440	85°C	Transparent, improved slip properties on one side, both sides heat sealable
NLIT	40	-	-	-	Injection in-mold label, no-label look finish
NMUS	20	1100	440	85°C	Matt, one side heat sealable

Methods used: OTR in cm3 /m2 /d @23°C, 0% RH (ASTM D3985) – WVTR in g/m2 /d @38°C, 90% RH (ASTM F1249)

Premium - Biobased, Industrial Compostable, High Quality

Product	Thickness µm	Main Features	Typical Applications
N130	20	Transparent gloss, suitable for wet lamination, hot-melt and water-based adhesives gluing, hot stamping, UV offset printing, rotogravure and flexographic printing	Boxes and bags for luxury packaging, fashion, cosmetics
N140	20	Matt, suitable for wet lamination, hot-melt and water-based adhesives gluing, hot stamping, UV offset printing, rotogravure and flexographic printing	Boxes and bags for luxury packaging, fashion, cosmetics
N160	20	Silver gloss, suitable for wet lamination, hot-melt and water-based adhesives gluing, hot stamping, UV offset printing, rotogravure and flexographic printing	Boxes and bags for luxury packaging, fashion, cosmetics

Protect Essential - BOPLA, Biobased, Industrial Compostable, High Barrier

Product	Thickness µm	OTR cm3/m2/d	WVTR g/m2/d	Sealability MST°C	Main Features
NZSS	20	15	6	85 °C	Metallized, one side heat sealable

Plus - Biopolymer Mix, Biobased, Designed for Home Compostability

Product	Thickness µm	OTR cm3/m2/d	WVTR g/m2/d	Sealability MST°C	Main Features
D822	20 / 25* 30*	520	250	-	BOPHA-based film, print web
D823	35*	770	500	65 °C	BOPBSA-based film, excellent seal integrity for high speed on packaging machines

Protect Plus - Biopolymer Mix, Biobased, Designed for Home Compostability, High Barrier

Product	Thickness µm	OTR cm3/m2/d	WVTR g/m2/d	Sealability MST°C	Main Features
D833	25 / 30*	3.5	2.0	85 °C	Metallized BOPHA-based film, barrier sealant web

* Product Developments are on going and properties may be subject to further changes
For more information, please contact your sales representative

For further information, please contact **nativia@ti-films.com**
and visit our website **www.ti-films.com/brands/nativia**

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