

# NatureFlex™

NEXT GENERATION PACKAGING



**Renewable and Compostable  
Films for Packaging**



## Behind the brand

The 'savvy shopper' of the 21st century is increasingly looking behind the brand. No longer content to accept the product without thinking, they are concerned as to the quality, nature and source of both the ingredients and the packaging that delivers it to the store, as well as keeping it fresh at home. Conventional plastic films offer exceptional packaging performance but they are derived from petrochemical sources.



More often than not these films are then laminated to different materials, further improving performance but rendering them impossible to recycle after use.

NatureFlex™ is different. It is derived from readily renewable cellulose, sourced only from responsibly managed plantations and fully biodegradable and compostable after its served its principal role as a packaging film.



**Renewable and compostable NatureFlex™ gives brand owners an unparalleled opportunity to speak proudly about their packaging.**

## Flexibility in action



NatureFlex™ is a range, not just a single film type. Our proprietary expertise in cellulose and coating technologies allows us to tailor the properties according to the specific needs of the product to be wrapped.

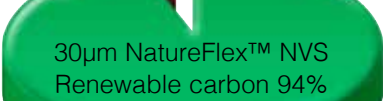
### Features at a glance:

- Transparent, metallised, coloured and white
- Barrier properties for product protection
- High heat-resistance
- Conversion friendly for graphics
- Compatible with other bioplastic materials for enhanced packing performance via coating, lamination and lidding
- Naturally anti-static






## A tall, slender tree with a light-colored trunk and dense green foliage, standing against a clear blue sky. The tree is surrounded by other trees and dense green bushes in the foreground.

- Quantifying Renewability:  
ASTM D6866 differentiates between 'old'  
(fossil-based) and 'new' (renewable) carbon.
- 
- 30µm NatureFlex™ NVS  
Renewable carbon 94%
- | Category            | Percentage |
|---------------------|------------|
| Renewable carbon    | 94%        |
| Fossil-based carbon | 6%         |

ASTM D6866 differentiates between 'old' (fossil-based) and 'new' (renewable) carbon.



Look for this symbol, which identifies USDA certified biobased products.

The logo is a circular emblem. The top half features a yellow sun with rays rising over a green, rolling landscape. The bottom half is a solid blue shape, possibly representing water or a field. The entire emblem is enclosed in a thin black circular border.

# Environmental Performance



- Pack performance is ensured by the choice of specific grade
- Not only do NatureFlex™ films meet all the global standards for Industrial composting but they are also certified to the OK Compost Home standard for backyard composting
- They are suitable for energy recovery via emerging anaerobic digestion technologies (both 'wet' and 'dry' systems)

Metallised film: enhances barrier but does not impact on composting due to the tiny amounts involved.

## Home Compostability Test Programme Metallised NatureFlex™



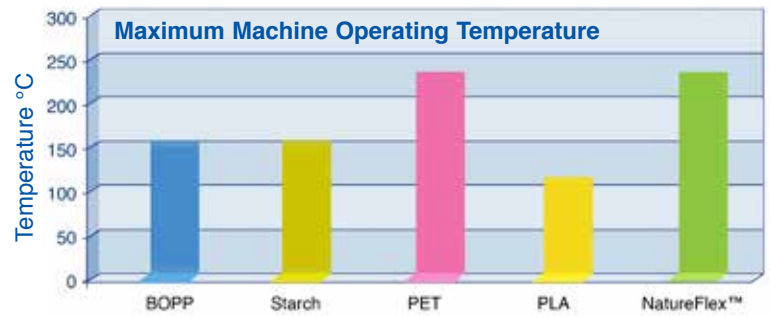
**COMPOSTABLE**  
IN INDUSTRIAL FACILITIES  
Check locally, as these do not exist in many communities.  
CERT # 890980



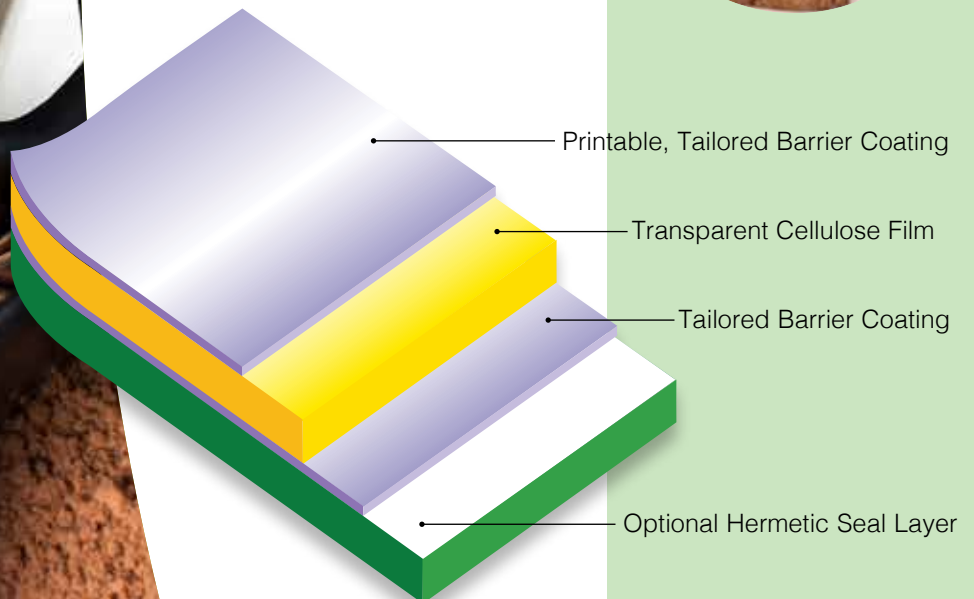




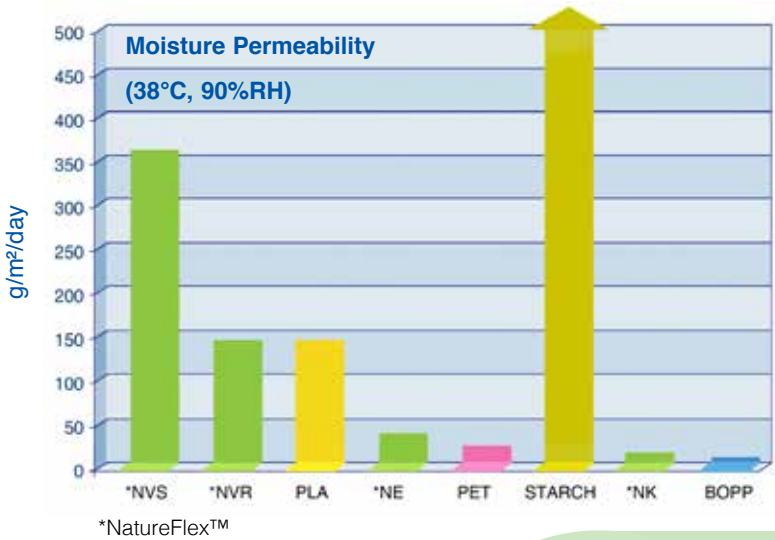
## A Unique Blend of Properties



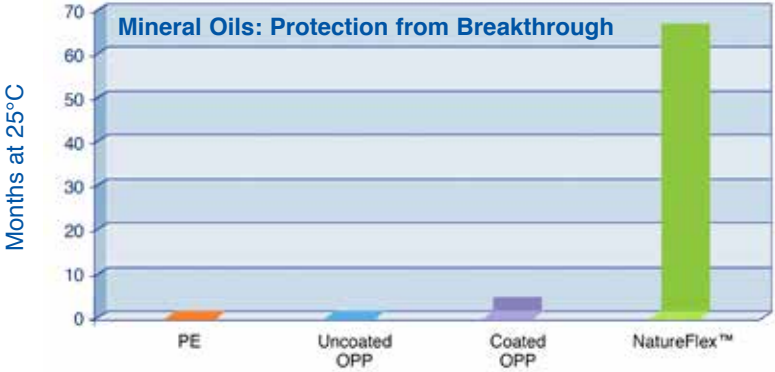
- The transparency and gloss of a plastic
- The heat-resistance and anti-static performance of a paper



# Barrier for Product Protection



- Moisture barrier can be tailored to fit the product
- High gas barrier properties
- Excellent barrier to mineral oils



Tests performed at Official Food Control Authority, Zurich, CH.





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