



Innovative  
Mineral Oil Barrier  
Packaging

use our imagination...

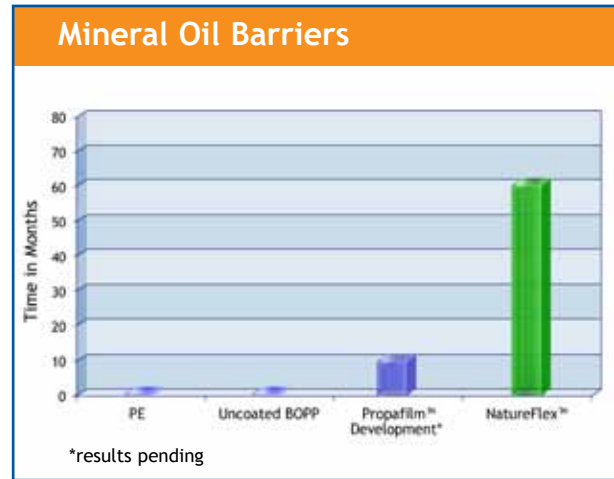
# Providing Barrier to Mineral Oils

## The Migration Issue

- Dried foods packed in paperboard boxes for an extended period, such as rice, muesli, pasta etc, can become contaminated with mineral oil. Studies have regularly shown mineral oil concentration levels can reach up and above 0.6mg/kg.
- No safe limit has been set for these substances in foods.
- There are two main sources for mineral oil in paperboard boxes: offset printing inks, which are used to print food boxes (typically containing 25-50% mineral oil) and recycled paperboard (manufactured from post-consumer waste) which can contain various types of mineral oils and waxes.

## The Solution

**NatureFlex™ - a natural barrier to mineral oils.** Our cellulose films have been shown to significantly reduce the migration of mineral oil residues from recycled cardboard packaging into foodstuffs.



NatureFlex™	
Benefits	Pack Options
Mineral oil barrier inherent within all NatureFlex™ films	Replace the inner HDPE bag with NatureFlex™ hermetic sealing films
Testing has indicated NatureFlex™ films give a barrier to mineral oil transmission for long shelf life products	Remove the box completely and switch to a pouch structure
Based on a test method developed by the Official Food Authority of Zurich, Switzerland (Dr. Koni Grob)	Use NatureFlex™ as the barrier web laminated to the board
Safely pack your natural product in natural packaging	
Renewable and compostable	

Mineral oil barrier is complimentary to the already excellent properties provided by coated NatureFlex™ films:

- Excellent gas barrier
- Tailored moisture permeability to suit a variety of products
- Wide heat seal range
- Resistant to food oils, greases and fats
- Static free for excellent machinability



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