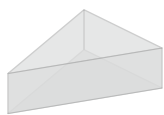




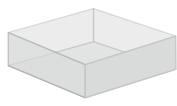
## Aluminium foil for Processed Cheese



**IPS** produces lacquered, coloured or printed **aluminium foil**, to be used in the manufacturing of **processed cheese packaging**, from **25g** up to **500g** portion. Foil is **suitable for any packaging machine** and **customizable with logo**.



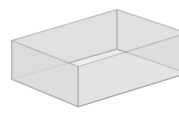
Triangular



Square



Round



Rectangular

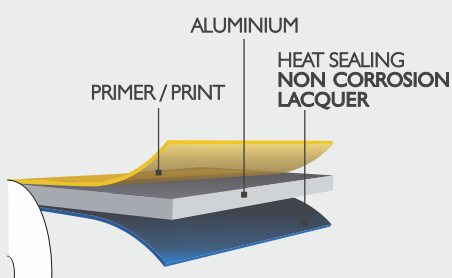


Tear Tape

- ▲ Extended product's shelf life
- ▲ Excellent corrosion resistance
- ▲ Highly customizable
- ▲ Total protection against light, moisture, oxygen and gas

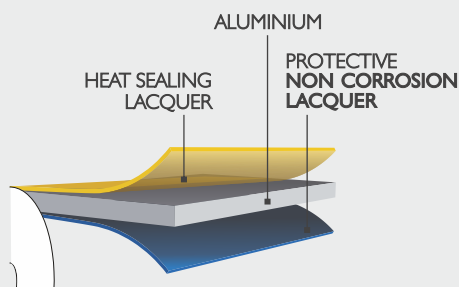
### SHELL

10 - 20µm  
Thickness



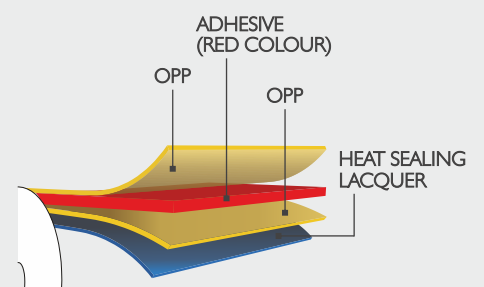
### LID

10 - 20µm  
Thickness



### TEAR TAPE

45µm  
Thickness



# WE GUARANTEE THE **HIGHEST CORROSION RESISTANCE**

IPS lacquered foil has a superior resistance to corrosion: Porosity Test and Electrochemical Impedance Spectroscopy (E.I.S.) prove that IPS foil has a corrosion resistance 1000 times higher than the average market material.

## ■ POROSITY TEST

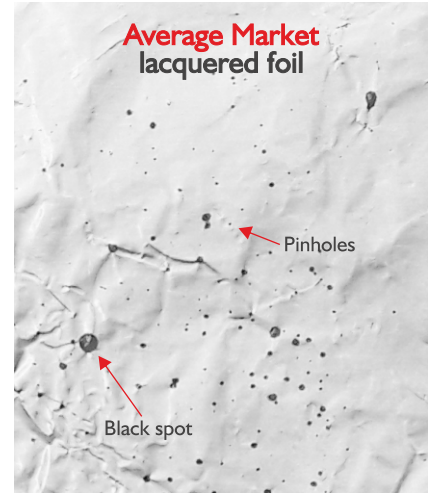
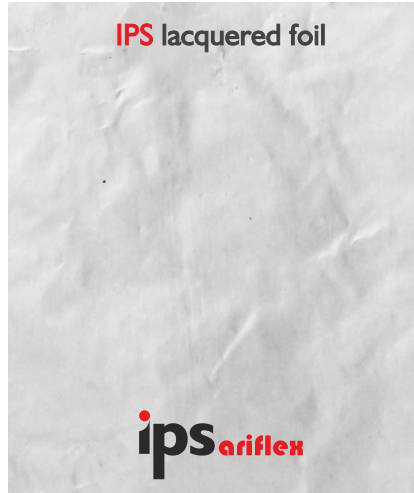
The test simulates the corrosive attack of the processed cheese in contact with the lacquered aluminium.

Corrosion is the cause of black spots and pinholes on the surface of aluminium foil.

The samples have been in contact with aggressive solution for 1 hour at room temperature.

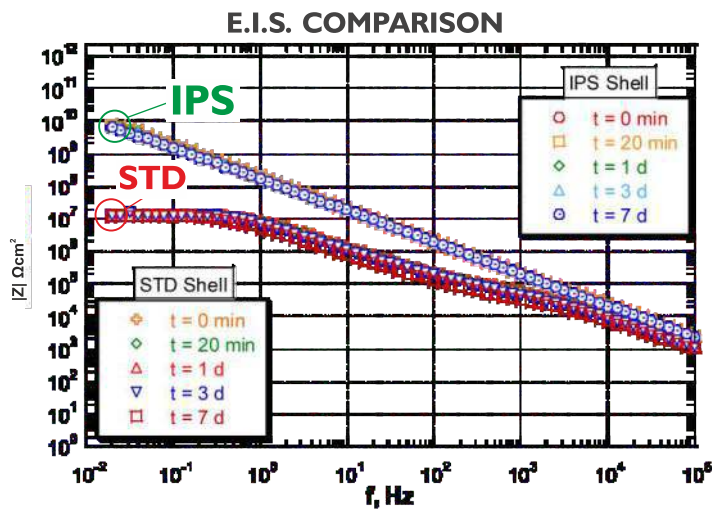
Test environment:

85% H<sub>2</sub>O | 5% CuSO<sub>4</sub> | 10% HCl

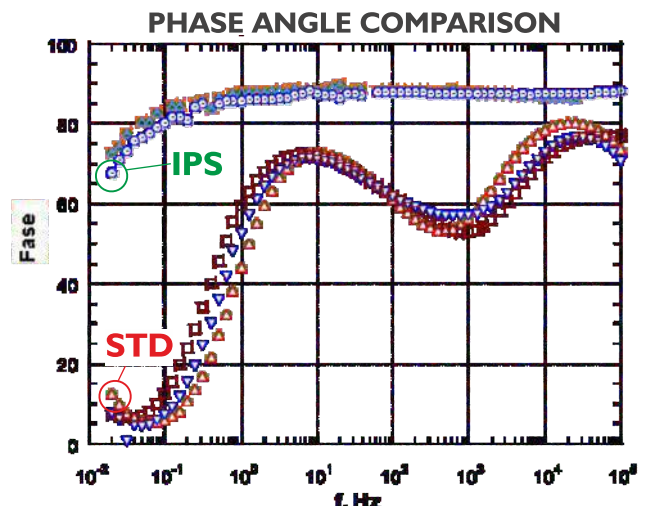


## ■ ELECTROCHEMICAL IMPEDANCE SPECTROSCOPY (E.I.S.) ■

Electrochemical Impedance Spectroscopy evaluates the corrosion resistance of a substrate in contact with an aggressive solution such as NaCl 3,5% w/w (water solution)



Picture A



Picture B

Impedance at 0.02 (Picture A) and phase angle close to 90° (Picture B) represent values for an excellent corrosion resistance

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www.ipsariflex.com  
enquiries@ipsariflex.com

