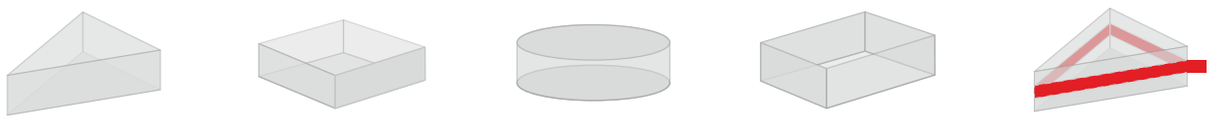
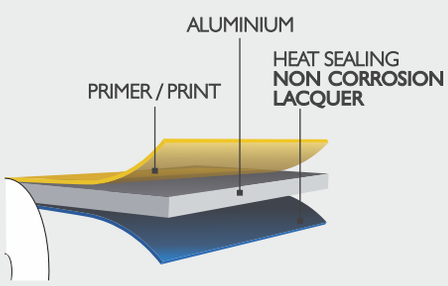
Aluminium foil for Processed Cheese

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**.

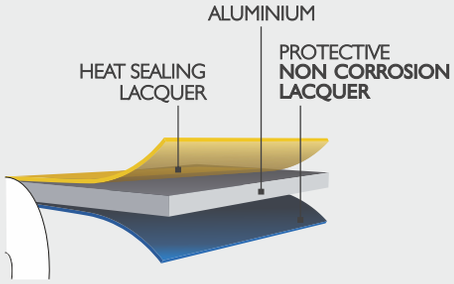


- Extended product's shelf life
- Excellent corrosion resistance
- Highly customizable
- Total protection against light, moisture, oxygen and gas

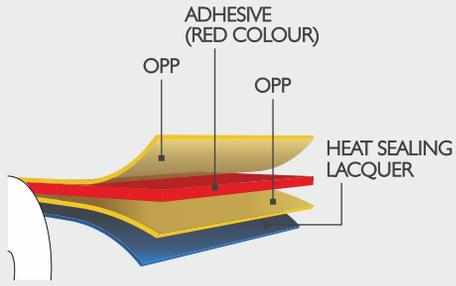
SHELL
10 - 20µm Thickness



LID
10 - 20µm Thickness



TEAR TAPE
45µm Thickness



WE GUARANTEE THE **HIGHEST CORROSION RESISTANCE**

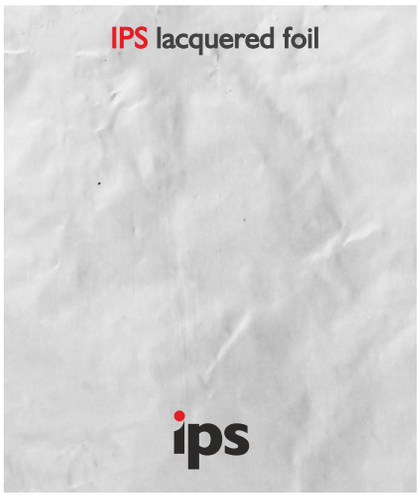
IPS lacquered foil has a **superior resistance to corrosion**: **Porosity Test** and **Electrochemical Impedance Spectroscopy (E.I.S.)** prove that **IPS foil** has a **corrosion resistance 1000 times higher than the average market material.**

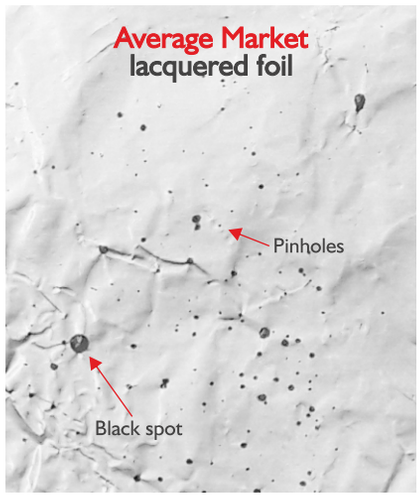
POROSITY TEST

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_2O | 5% $CuSO_4$ | 10% HCl

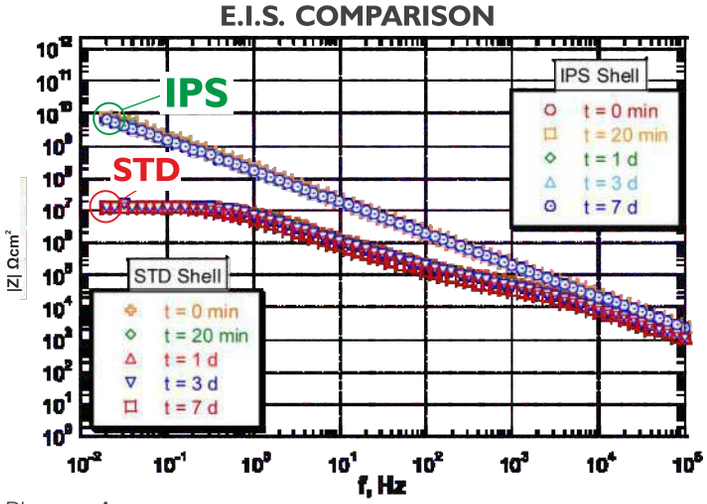




ELECTROCHEMICAL IMPEDANCE SPECTROSCOPY (E.I.S.)

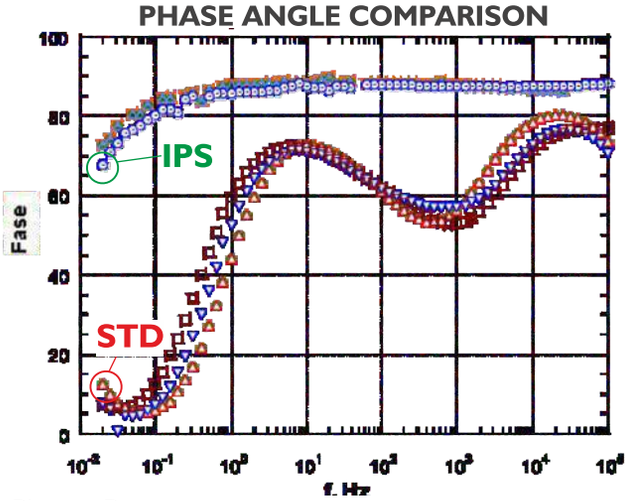
Electrochemical Impedance Spectroscopy evaluates the corrosion resistance of a substrate in contact with an aggressive solution such as NaCl 3,5% w/w (water solution)

E.I.S. COMPARISON



Picture **A**

PHASE ANGLE COMPARISON



Picture **B**

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