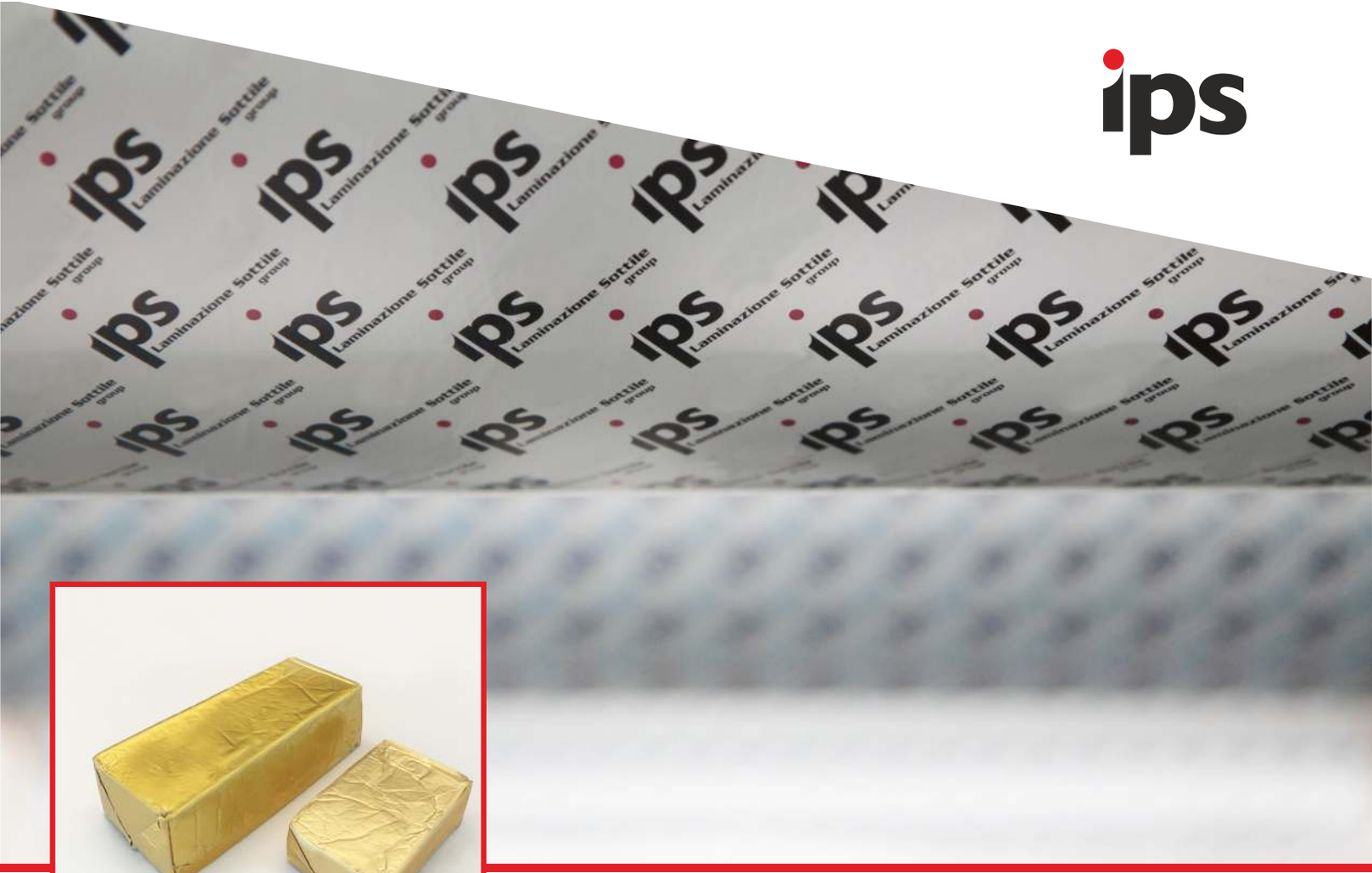
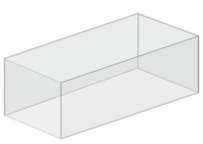


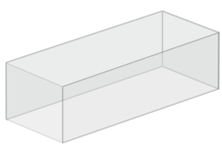
Aluminium Foil for Block Cheese

IPS produces **lacquered**, **coloured** or **printed aluminum foil** to be used in the manufacture of **processed cheese packaging**.
Foil is suitable for **any packaging machines** and **manual packaging**.
Customizable with logo.

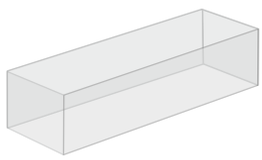
Typical portions of the **IPS Block Cheese** ranges from **300g** to **1800g**.



Typical Grams: 300 - 450g
Typical Width: 240 - 250mm



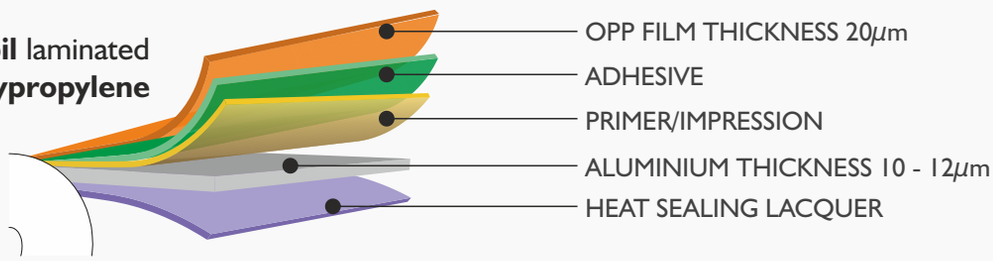
Typical Grams: 700 - 900g
Typical Width: 280 - 290mm



Typical Grams: 1500 - 1800g
Typical Width: 330 - 350mm

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

Aluminum foil laminated with **polypropylene**



WE GUARANTEE THE **HIGHEST CORROSION RESISTANCE**

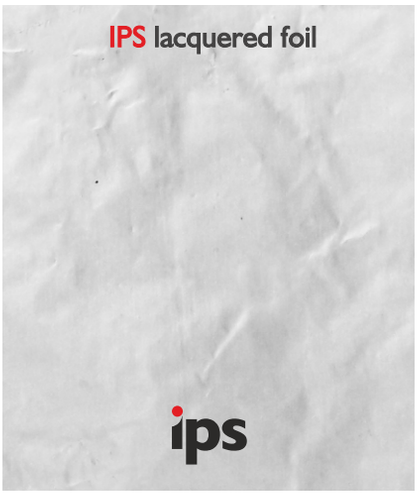
IPS lacquered foil has a **superior resistance to corrosion**: **Porosity Test** and **Electrochemical Impedance Spectroscopy (E.I.S.)** prove that **IPS foil** has a **corrosion resistance 1000 times higher than the average market material.**

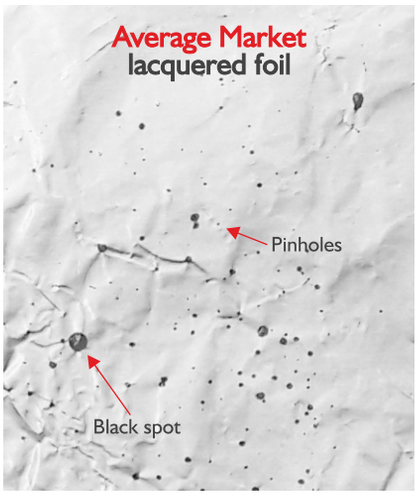
POROSITY TEST

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



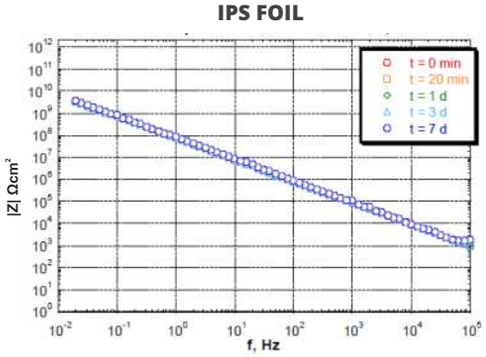


ELECTROCHEMICAL IMPEDANCE SPECTROSCOPY (E.I.S.)

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

Image **A**



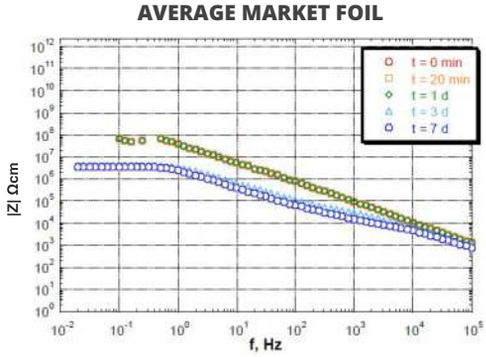
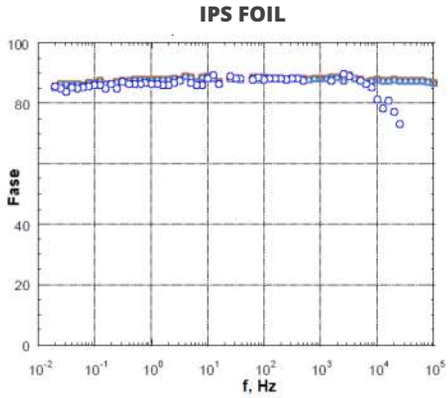


Image **A.2**

PHASE ANGLE COMPARISON

Image **B**



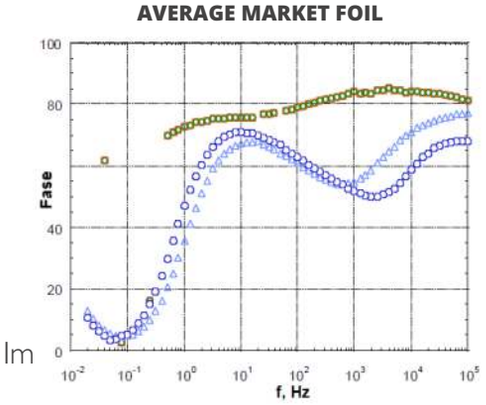


Image **B.2**

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