

SPIES smart

The smart packaging solution full of technologies

WHY?

Long lasting, reusable and full of information - SPIES smart turns ordinary injection molded items into smart packaging solutions and multifunctional data carriers. As an alternative to disposable items, this is our solution for reducing single-use plastic packaging to protect our environment.

INNOVATIVE!

To protect valuable resources, SPIES has developed the solution for digitalized reusable products. The endlessly rewritable RFID chip (NFC/UHF) is completely encased in the plastic thanks to our innovative production technology and thus optimally protected against moisture, damage or removal. The information on the chip can be read by all common reading devices, such as your own smartphone, and allows, for example, precise identification of the item. In addition, the digital watermark can be incorporated in the label or over the entire surface of the product and serve as a further data carrier, as can the tried-and-tested QR code in the print image. Thanks to the use of a "Long Life IML" label, the product can withstand even the highest loads, is durable, dishwasher-safe and offers optimum design options.

PROTECTS WHAT IS VALUABLE - CARRIES WHAT IS SIGNIFICANT

In addition to the proven and superior quality of our injection molded packaging, you profit from further advantages:



Ideal for digitally supported systems



Smart by fixed NFC & UHF RFID chips, digital watermark and QR code



Dishwasher safe and long lasting



Optional use of recycled material



Fully recyclable thanks to monomaterial (after removing the chips)



Optimal for use in deposit / returnable systems

BRANCH

Universally applicable, gastronomy, reusable systems, logistics

DESIGN

Cup serves as an example! Also available as bowl, can or in your individually desired article geometry.

STRATEGY / CAUSE

- ✓ Reusable product
- ✓ Digital
- ✓ Durable
- ✓ Conservation of resources
- ✓ Optimal recyclability



RFID-Chip
(NFC oder NFC+UHF)



RFID-Chip (UHF)

Long Life IML

QR-Code

Digital watermark
(in the print image or full-surface in the product)

Your contact to us

Are you interested in our sustainable packaging solution?
Contact us by mail at sales@spies-packaging.com or directly by phone: **+49 5422 9411-0**