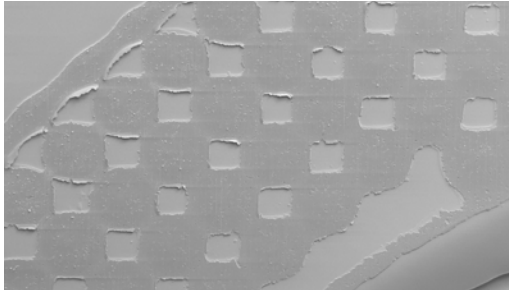


Our Service



PHARMA PACKAGING

We characterize and validate materials, determine their behavior, simulate processes and develop pharmaceutical packaging solutions designed to meet your requirements. Benefit from our extensive materials and engineering expertise.

<http://www.suisse-tp.ch/pharma>

SUISSE TECHNOLOGY PARTNERS

As an independent R&D service provider, we cover a wide range of expert services revolving around the topics of materials and surfaces. We apply our expertise and our long-standing experience to your practical task in a solution-oriented way.

Our scope of services ranges from the standardized testing, all the way up to non-conventional analysis methods.

Take advantage of our history as the former research centre of a global enterprise and rely on our exceptional materials know-how, vast expertise and world-class laboratory infrastructure.

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Materials | Engineering | Innovation

Pharma Packaging

MOISTURE BARRIER PREDICTION

SHELF-LIFE PREDICTION
CROSS DIFFUSION SIMULATION

THERMAL IMPACT ANALYSIS

FORMING

COLD FORMING

PROCESS
ANALYSIS

FAILURE ANALYSIS &
PROCESS OPTIMIZATION

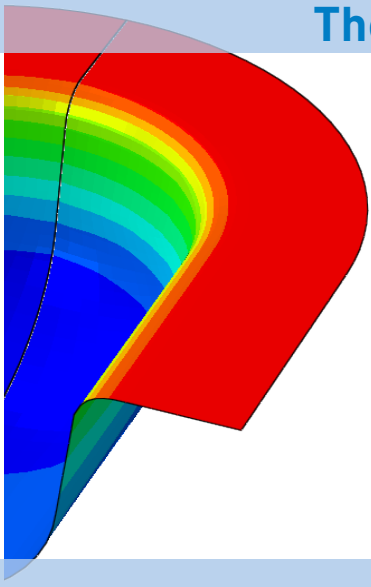
SEALING

Suisse Technology Partners Ltd.

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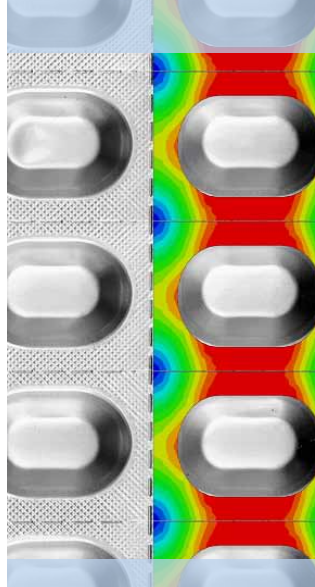
v1.3

Thermoforming



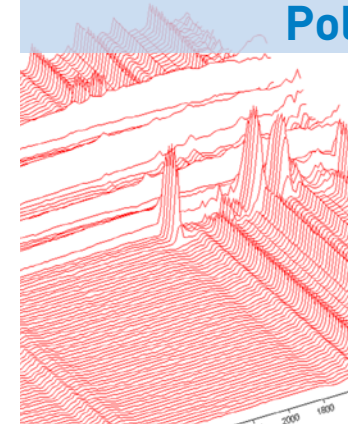
- Process simulation for the calculation of barrier properties of thermoformed blisters (WVTR, OXTR)
- Process optimization
- Geometry optimization for efficient use of raw materials
- Structural stability analysis
- Shelf-life prediction

Cross diffusion



- Shelf-life prediction
- Calculation of cross diffusion in cold formed blister (WVTR, OXTR)
- Optimization of blister and cavity geometry for efficient use of raw materials
- Execution and evaluation of permeation tests
- Investigation of general diffusion issues

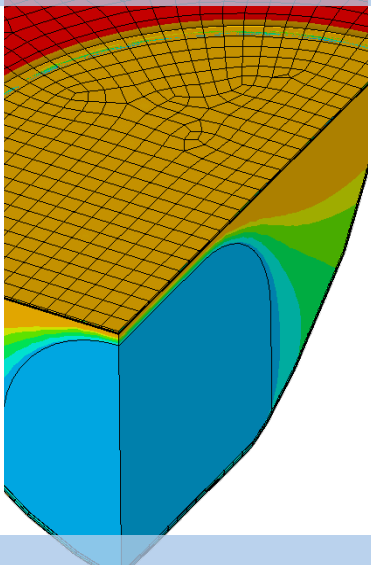
Polymer analytics



EQUIPMENT

- Infrared spectroscopy (FTIR), FTIR-Microscope
- TGA, DSC, DMA, TMA, Rheometer, Calorimeter, Coulometer, Vicat

Thermal impact analysis



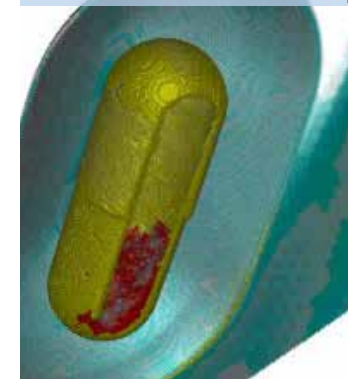
- Prevention of thermal deterioration of the product
- Simulation of the sealing process to analyse the thermal effects on the product
- Prediction of time dependent temperature distribution in the blister
- Geometry optimization
- Investigation of general heat transfer issues

Cold forming



- Blister formability assessment (FLD)
- Forming process simulation & optimization
- Optical strain measurement
- Material formability characterization (FLC)
- Failure analysis

Physical analytics



EQUIPMENT

- XPS
- Microsection
- Light microscopy
- Scanning electron microscope (SEM)
- 3D x-ray computer tomography