

## A new technology in NIEF Plastic Group

### NIEF Plastic enter the LSR market

#### What is a LSR material ?

**LSR\* is a two-component (resin A + catalyst B) liquid rubber silicon, heat vulcanized and molded by injection.**

\* LSR: Liquid Silicon Rubber

Catalyst « B » Resin « A »



#### The dedicated equipment:

- two bound 80 tons presses for plastic injection and silicon over-molding



- a specific Silicon injection unit

#### Application sectors:

- automotive
- aeronautics & space
- rail
- household appliances

#### Products:

- sealing function (over-moulded seals on plastic components)



High performance polymer (PPS) combined with Silicon over-moulded seal.

#### Advantages of LSR:

- good heat resistance (200°c up to 225 °c)
- very good flexibility at cold temperature
- very good elasticity and DRC Compression Residual Distortion (elastic memory)
- ozone, UV stability, good ageing properties
- good dielectric properties (high voltage application)
- physiological characteristic (FDA, BGA agreements)
- KTW agreement for drinkable water (20 and 26 series)