

Materials: R&D and industrial players, how about validating your products?



Materials: SGS testing laboratories provide multidisciplinary and complete range of services

Your are:

- Compounder?
- Manufacturer of decor and trims?
- User of formulated products (paint, varnish)?
- R&D center?

OF ELONGATION/BREAK

- Surface treatment applicator
- Research and innovation center?

WE CHARACTERIZE AND VALIDATE

All type of materials (fluids, plastics, composites, polymers, elastomers, rubbers, foams, textiles, metals...)

And performance tests regarding:

- Material resistance
- Air quality and emissions
- Resistance to aging
- Resistance to wear

"Our Strategy: perform tests according to international standards (ISO, ASTM, EN...) but also according to OEM specifications from automotive, rail, aeronautic, ..."

SYLVIE TEISSANDIER

KEY ACCOUNT & INNOVATION MANAGER

OUR QUALITY APPROACH:

1 Internal audit: more than 30 audits per year





MECHANICAL TESTING

Material Characterization

Ageing performancePerceived quality and

MECHANICAL TESTING

• Resilience

harmony

- Tensile
- Compression
- Flexural

THERMAL ANALYSIS

TMA / DMA / DSC

MECHANICAL RESISTANCE

- Charpy and Izod Impact
- Drop Tower for instrumented impact

CHEMICAL ANALYSIS

- Viscosity
- Permeability

METALLURGICAL ANALYSIS

- Pitting
- Brazing
- Weld bead

FLUID RESISTANCE

- Drop
- Cataplasm
- Immersion

EMISSIONS AND REGULATION

ODOR CHARACTERIZATION

- Intensity of smell
- Fragant identification

EMISSIONS ANALYSIS

- VOC (Volatil Organic Compounds)
- Formaldehyde

INTERIOR EMISSIONS

- Micro-chambers
- 1m³ chambers
- Big bag

CONDENSATE ANALYSIS

- Fogging
- Phtalates

FIRE TEST

- Horizontal combustibility
- Vertical combustibility
- Glow wire

SPECIFIC ANALYSIS

- REACH
- ROHSICP
- Bisphenol

AGEING AND DURABILITY

UV PHOTOAGEING

- Wheatherometer, Fade-ometer, Sunshine (carbon arc)
- With aspersion cycle
- Interior or exterior simulation
- Cl3000, WOM, QUV, QSUN

CLIMATIC AGING

- Equipment range from 1 up to 83m³
- Heat/Cold/Humidity cycle
- Standard or fast temperature change
- Thermal shock

COATING RESISTANCE

Adhesion

APPEARANCE TESTING

- Scratching
- Rubbing
- Wear
- Impact

APPEARANCE AND HARMONY

- Color
- Gloss
- Contrast

CORROSION TEST

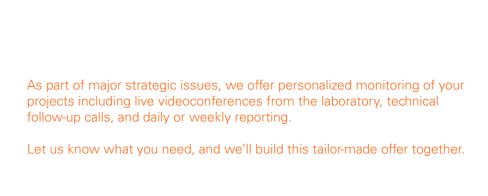
- Neutral salt spray, cyclic corrosion
- Filiform corrosion
- Gas Corrosion

CONTACT US

SGS France

Automotive Testing Services Laboratoire de Cestas 21 chemin de Marticot - 33610 Cestas Tel: +33 (0)5 57 97 02 33

fr.commercial.testing@sgs.com www.sgsgroup.fr



WWW.SGSGROUP.FR



