

## Analytical Services

### SERVICE AREAS

- Materials analysis and characterization
- Contaminant determination
- Test method development
- Process analysis

### SERVICE SPECIFICS

#### Standard Application and Method

- Coat weight
  - X-ray fluorescence spectrometry
- Release forces
  - Lloyd tensometer
  - Imass tensometer
- Extractables
  - XRF
  - AAS
- Surface Analysis
  - Elemental composition
  - Surface roughness
  - Surface energy
  - FTIR/ATR, ESCA, SIMS, XRF
- Rheology
  - Carri-med
  - Texture analyzer
  - DMA

#### Tailored Analytical Programs

- Substrate poisoning
- Anchorage measurement
- Qualitative paper analysis
- Qualitative adhesive analysis
- Compatibility of handling equipment with silicone
- Bakery release performance testing
- Mist measurements
- Assessment of performance of silicone mixing equipment
- Pilot coating
- Lab coating
- Meter mixing
- Oxford instrument calibration

#### Composition

- Elemental analysis
- Mass spectroscopy

#### Morphology

- Optical
- Electron and scanning probe microscopy
- Surface analysis

#### Bulk Properties

- Thermal
- Mechanical
- Viscosity

### Description

Rapid, accurate and reliable analytical testing from the world leader in silicone technology.

Dow Corning offers you more than just quality products. Using Dow Corning Analytical Services in Europe, Asia and North America, we provide the global industry knowledge and applications expertise that can enhance the performance and reliability of your pressure sensitive products.

Dow Corning's analytical expertise enables us to provide you with a variety of services. Our expertise in applying analytical technology to silicones and silicon-based technology is unique and more diverse than any contract lab. Our integrated package supports not only material commercialization efforts, but also problem-solving in product manufacturing and end-use application. Our expertise goes beyond silicone to other chemistries and technologies, and we continuously update our capabilities and analytical technology to meet your growing needs.

### Benefits

**Breadth of Services** – Analytical Services and Development and Application Centers are linked to provide you with solutions for your material testing needs.

**Industry Expertise** – Dow Corning has experience with pressure sensitive industry practices and standards that affect you.

**Technology** – Our analytical technology capabilities are continuously updated to meet not only our research, product development, technical service and manufacturing needs, but your advanced, growing needs as well.

**Globality** – Wide-ranging, analytical technologies that span the globe provide coverage wherever your analytical needs exist – with sales offices, manufacturing sites and science and technology laboratories around the world.

Contact our Customer Service Specialists at +1 989 496-6000, or [contact us](#) via our web site at [www.dowcorning.com](http://www.dowcorning.com) for additional information on Dow Corning Analytical Services and telephone numbers for your nearest sales office.