YOUR CONTACT FOR CUSTOMIZED SILICONES:

Fraunhofer Institute for Silicate Research ISC
Neunerplatz 2 | 97082 Würzburg | Germany

Team Manager Smart Soft Materials
Johannes Ziegler | Phone +49 931 4100-601
johannes.ziegler@isc.fraunhofer.de
www.cesma.de

Adjustment of material parameters
Reduction of material and production costs
Formulations for specific purposes
Silicone analytics
Market research and consulting
Customized silicones
Process development and optimization

SILICONES ESPECIALLY FOR YOU
The Center Smart Materials (CeSMa) at Fraunhofer ISC specializes in developing customized elastomer formulations made of silicone rubber. CeSMa adapts the characteristics of silicones to the specifications determined by the customer’s application.

The experience in the chemical and technical field of elastomer chemistry/smart materials enables CeSMa to develop a wide variety of special silicone formulations.

**ADJUSTMENT OF MATERIAL PARAMETERS**

- **PROCESSING**
  - potlife | viscosity

- **MECHANICAL PROPERTIES**
  - Young’s modulus | viscoelastic properties | fatigue strength

- **ELECTRICAL PROPERTIES**
  - conductivity | dielectric strength

- **OPTICAL PROPERTIES**
  - transparency | colored silicones

- **MAGNETIC PROPERTIES**
  - permeability