

**INDUSTRY  
SOLUTIONS.**

**Material  
Solutions.**

**CHT**  
SMART CHEMISTRY  
WITH CHARACTER.

# SilSo INJECTION MOULDING

- ▶ High dimensional stability
- ▶ Very good mechanical properties
- ▶ High thermal and chemical resistance
- ▶ High resistance to temperature and UV radiation

## SilSo APPLICATIONS

Silicone Solutions that make your life easier.



# SilSo INJECTION MOULDING

Due to their multifunctional mechanical and chemical properties the LSR's (Liquid Silicone Rubber) in the SilSo INJECTION MOULDING Range are suitable for use in nearly all industrial applications. Due to their being biocompatible, odourless and with good haptical properties they are the first choice for many medical and orthopaedic products. Their high temperature stability, good insulating properties and low compression set are advantageous for the industrial processing of seal rings, plug-in connectors and membranes. They crosslink without any by-products and when combined with injection-moulding, these silicones enable fast, high volume production of tiny components with complex shapes and fine details.

## SilSo APPLICATIONS

Silicone Solutions that make your life easier.

| SilSo INJECTION MOULDING |                 |  |                |                  |                  |                     |
|--------------------------|-----------------|--|----------------|------------------|------------------|---------------------|
| LSR                      | Product         | Features   | Viscosity mPas | Hardness Shore A | Tensile strength | Elongation at break |
| <b>Laser Marking LSR</b> |                 |  |                |                  |                  |                     |
|                          | ALPA-LSR 550201 | Suited for colours white, grey, opaque, scratch resistant, certificated according BfR & FDA      | 300,000        | 50               | 8.5              | 380                 |
|                          | ALPA-LSR 550202 | Suited for transparent and glowing, forgery proof, no abrasion, certificated according BfR & FDA | 300,000        | 50               | 7.5              | 300                 |
| LSR                      | Product         | Features   | Viscosity mPas | Hardness Shore A | Tensile strength | Elongation at break |
|                          | ALPA-LSR 130201 | High mechanical properties, very good compression set, certificated according BfR & FDA          | 400,000        | 30               | 8.0              | 800                 |
|                          | ALPA-LSR 140201 | High mechanical properties, very good compression set, certificated according BfR & FDA          | 200,000        | 40               | 9.4              | 600                 |
|                          | ALPA-LSR 150201 | High mechanical properties, very good compression set, certificated according BfR & FDA          | 300,000        | 50               | 10.0             | 500                 |
|                          | ALPA-LSR 160201 | High mechanical properties, very good compression set, certificated according BfR & FDA          | 600,000        | 60               | 10.0             | 400                 |
|                          | ALPA-LSR 170201 | High mechanical properties, very good compression set, certificated according BfR & FDA          | 300,000        | 70               | 8.8              | 300                 |

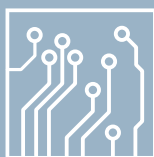
The data are standard values and not suitable for establishing specifications! Please note that the given values were determined in the laboratory and have to be verified in tests on your own for your specific manufacturing under the conditions in practice. Liability cannot be derived from this information. Liability can be assumed only for the consistently high quality of our products.

10/2020

## More SilSo APPLICATIONS



**SilSo ADHESIVES**  
Industrial Adhesives



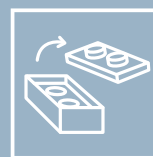
**SilSo ELECTRONICS**  
Electronic Potting



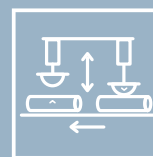
**SilSo MEDICAL**  
Medical Applications



**SilSo TRANSPORTATION**  
Mobility & Transportation



**SilSo MOULDING**  
Mould Making & Rapid Prototyping



**SilSo PAD PRINTING**  
Silicone Print Pads