

**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

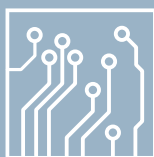
The data are standard values and not suitable for establishing specifications! Please note that the given values were determined in the laboratory and have to be verified in tests on your own for your specific manufacturing under the conditions in practice. Liability cannot be derived from this information.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

10/2020

## More SilSo APPLICATIONS



**SilSo ADHESIVES**  
Industrial Adhesives



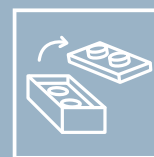
**SilSo ELECTRONICS**  
Electronic Potting



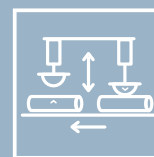
**SilSo MEDICAL**  
Medical Applications



**SilSo TRANSPORTATION**  
Mobility & Transportation



**SilSo MOULDING**  
Mould Making & Rapid Prototyping



**SilSo PAD PRINTING**  
Silicone Print Pads