

## Silopren\* LSR4020 TP 3364

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### Description

Silopren LSR 4020 TP 3364 is a two-component liquid silicone rubber for injection moulding processes. Silopren LSR 4020 TP 3364 can be used to produce medical technical articles with high transparency and excellent rubber elastic properties.

### Key Features and Benefits

Vulcanizates consisting of Silopren LSR 4020 TP 3364 are distinguished by the following properties:

- excellent biocompatibility
- high stability to ozone and ultraviolet light
- neutral odour and taste
- sterilisable with ethylene oxide, steam and gamma radiation
- good transparency
- high thermal stability
- high recovery after puncture
- easy pigmentable with the LSR Colour Pastes.

### Typical Physical Properties

		A-part	B-part
Appearance		translucent	translucent
Viscosity in Pa.s $\gamma = 10 \text{ s}^{-1}$ at 20 ° C	DIN 53018	200	200
The pot-life of the mixture of the two components (closed vessel) at 20 ° C is three days. Increased temperatures reduce the pot-life.			

Typical properties of the vulcanisate:

Mixing ratio of components A : B = 1 : 1.

Vulcanisation: 10 min. 175 °C + 4 hrs. 200 °C post cure

Density	DIN 53 479 A	g/cm <sup>3</sup>	1.08
Shore A hardness	DIN 53 505		22
Tensile strength	DIN 53 504 S2	N/mm <sup>2</sup>	6.5
Elongation at break	DIN 53 504 S2	%	1000
Tear strength	ASTM D 624 die B	N/mm	15
Compression set (22 h at 175 ° C)	DIN 53 517	%	20

### Potential Applications

Because of the outstanding properties Silopren LSR 4020 TP 3364 is particularly suitable for the following elastomeric articles: sealing elements, catheters, vibration dampers, tube connectors, parts for medical technical equipment, mats

### Patent Status

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### Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

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