

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 ³	1.08
Shore A hardness	DIN 53 505		22
Tensile strength	DIN 53 504 S2	N/mm ²	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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Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at www.momentive.com or, upon request, from any MPM representative. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center. Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information

provided by the manufacturer of such other materials.

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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