



Gaskets

Silicone sealings

thoenes[®]



SI331

Article description:	SI331 (Silicone, red)
Article forms:	Available as plate material Plug-in seals, cut and die-cut seals Also available in FDA quality on request
Colour:	Red
Preparations:	Without any additionally preparations
Materials:	VMQ (Silicone) with iron oxide content for resistance to higher temperatures

Mechanical preparations:

- UV resistant, high elasticity

Properties	Specifications	Unit	Value
Shore hardness A	DIN 53505, ± 5		60 ± 5 °Shore
Density	DIN 53479, ± 0,05	g/ cm ³	1,2
Tensile strenght	DIN 53504, ± 25 %	MPa	5,5
Elongation at break	DIN53504, ± 35 %	%	250
Compression-set 24 h, 175 °C	DIN 53517, Typ 2	%	45

Thermal properties:

- Temperature from -60 °C to 250 °C
- Short-term - no measured value available

Chemical properties:

- Good chemical resistance to weak acids and alkalis as well as animal and vegetable oils and glycols
- Limited chemical resistance to petrol and mineral oils and solvents (swelling effect)

Applications:

Used in housing gaskets, flange gaskets, plug seals. Can be used in FDA quality in the food industry.

Dimensions:	Plate sizes 1200 mm x 2000 mm * Thickness 2 - 20 mm * * Further plate sizes and thicknesses on request
--------------------	--