

## Gasket material

### Saint-Gobain® R10404

**Material:** Saint-Gobain® R10404 is a closed-cell silicone sponge rubber.

**Properties:** Saint-Gobain® R10404 offers thermal conductivity, electrical isolation and compression set resistance.

**Applications:** Saint-Gobain® R10404 can be applied for ion battery packs for electric vehicles, computers, telecommunications, electrical insulation, military, medical, heat pipe assemblies, vibration mounts, press pads, decal transfer

**Delivery forms:** Saint-Gobain® R10404 can be delivered as customized cut or die-cut part as well as self-adhesive. Other delivery forms upon customer request.

Available sizes						
Thickness in mm	0,79	1,59	2,38	3,18	4,76	6,35
Continuous roll 914 mm	•	•	•	•	•	
Sheets 914 x 914 mm	•	•	•	•	•	•

Dr. Dietrich Müller GmbH

## Saint-Gobain® R10404

properties	Test method	unit	Value
Colour	Visual		Light green
Thermal conductivity	ASTM D1530	W/mK	See chart below
Thermal impedance	ASTM E1530	°C cm²/W	See chart below
Tensile strength	ASTM D412	kPa	828
Elongation	ASTM D412	%	150
Hardness	ASTM D2240	Shore A	13
Dielectric strength	ASTM D149	Volts	100
Compression deflection	ASTM D1056	kPa	125
Compression set	ASTM d1056	%	15
Density	ASTM D297	Kg/m³	1105
Operating temperature range		°C	-62 to +205

	Thermal conductivity W/mK		Thermal impedance °C cm²/W	
	3,18 mm	1,59	3,18	1,59
Compression %				
10	0,36	0,36	86	36
30	0,52	0,46	57	23
50	0,86	0,57	34	13

**Please note:**

The information in this data sheet is based on our current knowledge and experience. They do not disengage the fabricator and user from own tests and inspections because of the plenty of possible effects. There is no judicial binding assurance of certain properties or of the qualification for a concrete application in our declaration. We recommend consulting us in individual cases. The acceptor of our products has to observe possible industrial property rights as well as present laws by himself.