



**SILICONE
METAL DETECTABLE**

Design Description

SILICONE has a great temperature range and has high resistance to low and high temperatures. It is metal detectable and concerning the chemical composition, silicone is often used in the food industry. One of the disadvantages of silicone is its low resistance against oil and greases. SILICONE is also FDA approved.

Features

- Excellent food grade material
- Metal detectable
- Heat resistance
- Great temperature range

Properties	Standard	Unit	Value
Hardness	DIN 53505	Shore A	87 ± 3
Density	DIN 53479	g/cm ³	1.45
Tensile strength	DIN 53504	N/mm ²	8
Elongation at break	DIN 53504	%	120
Stress ratio 100%	DIN 53504	N/mm ²	4.2
Compression set 175 °C/24h	DIN 53517A	%	15
Tear strength	ASTM D624/B	N/mm	13
Elastic recovery	DIN 53512	%	40
Min. application temp		°C	-60
Max application temp		°C	200
Changed properties after storage in hot air			
Time		H	168
Temperature		°C	225
Hardness		Shore A	3
Tensile strength at break		N/mm ²	5.2
Elongation at break		%	140