

Material Data Sheet

UTECRUBBER-S

General Information

UTECRUBBER-S is a methyl silicone rubber commonly known as Silicone. It has poor mechanical properties and is therefore mainly used in static applications. It is highly resistant to weathering, ozone and ageing and is used for applications in contact with foodstuff, hot air and mineral oils.

Physical properties

Colour:			red
Hardness at 20°:	DIN 53505	Shore A	85 +/-2
Density:	DIN 53479	g/cm ³	1.54
100% Modulus:	DIN 53504	N/mm ²	> 5
300% Modulus:	DIN 53504	N/mm ²	
Tensile strength:	DIN 53504	N/mm ²	> 7
Elongation at break:	DIN 53504	%	> 130
Rebound resilience:	DIN 53512	%	> 44
Tear strength:	DIN 53515	N/mm ²	> 8
Abrasion:	DIN 53516	mm ³	-
Compression set:**	DIN 53517	%	< 15
Min. service temperature:		°C	-60
Max. service temperature:		°C	210

* Compression set: 175°C, 22 hours.

Remark

All test methods and values mentioned above are corresponding to ASTM or DIN standards and have been tested on standardized plates in the laboratory. All tests are made under laboratory conditions.

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