

Material Data Sheet SL6015

Silicone- Elastomer
Platinum Compound

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38350 Helmstedt

Description

- Good mechanical properties
- High Heat resistance up to 250°C
- Transparent

Properties

Shore A Hardness (DIN 53505)	60°
Density (DIN 53749)	1,17
Tensile Strength (ASTM D 412)	11 [N/mm ²]
Elongation at break (DIN 53504 S2)	500 [%]
Compression Set (ISO 815)	25 [%]
Tear strength (ASTM D 624 Die B)	37 [N/mm ²]
Elect. Contact resistance	10 ¹⁵ [Ohm x cm]
Breakdown Voltag	25 [KV/mm]
Heat resistance (permanently)	+200° [C]
Heat resistance (short term)	+ 250°[C]
Cold flexibility	-60° [C]

Suitable for use in the medical and technical sector and food industry .

suitable for drinking water applications

suitable for steam sterilization
up to + 134° C

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up to + 134° C

Approvals



The elastomere is in compliance with

- BfR XV Silicone
- FDA § 177.2600
- FDA 1935.2004
- KTW , DVGW 270
- WRAS
- USP Class VI, ISO 10993
- Listed as UL 94 HB (File No. E205753)
- NSF DCC number FD16141

The approvals refer to the silicone raw materials and not the finished product.