

DATAARK / OVERENSSTEMMELSESERKLÆRING

Datasheet / declaration

| SILIKONE SVAMPEGUMMI EKSTRUDERET SILICONE RUBBER SPONGE EXTRUSIONS | |
|---|---|
| Materiale: | Closed cell Silicone Sponge |
| Properties / directives: | REACH compliant and ROHS compliant |
| Temperature Range: | -40C to 200C |
| Specifications: | The density range in white has been approved by WRAS (Water Regulations Advisory Service) for use in contact with potable water at temperatures up to 85°C (185°F). These products meet the flammability requirements of FAR 25/JAR 25/CS 25 Appendix F, Part 1, (a)(1)(iv) and (a)(1)(v) horizontal flammability tests and Automotive Standard PART 571FMVSS302. The sponge is closed cell with low water absorption and dust ingress protection up to IP65, subject to design. |
| Environment resistance: | Silicone rubber products have an excellent resistance to ozone, oxidation, ultraviolet light, corona discharge, cosmic radiation, ionising radiation and weathering in general. |
| Typical applications: | Automotive, Electronics, Energy, Construction, Heating and Ventilation (HVAC), Industrial, Insulation, Lighting Marine |
| Availability format: | Cord, Section, Strip, Profiles, Joined rings and gaskets, Pressure sensity adhesive backing, Full rang of standard colours, Capability to colour match. |
| Disclaimer: | The information given and, in particular, any parameters, should be used for guidance purpose only. The Company does not give any warranty that the product will be suitable for the use intended by the Costumer. We reserve the right to make alternations of the data and the properties of the material without notice |

| Technical data: | | | | | | | |
|--|--------------|--------------------------|----------------|-----------------------------|--------------|--------------|--------------|
| Property | Units | sil10 | sil16 | sil20 | sil24 | sil27 | sil33 |
| Density* | Kg.m3 | 200 | 250 | 300 | 400 | 450 | 530 |
| Hardness** | Shore 00 / A | 35 / <5 | 42 / 5 | 55 / 15 | 65 / 17 | 70 / 24 | 80 / 30 |
| Compression Stress 40% strain*** | kPa /PSI | 50/7,3 | 90/13 | 120/17,4 | 165/24 | 230/ 34 | 470/68 |
| Compression Stress 25% strain**** | kPa /PSI | 28/4 | 38/5,5 | 52/7,5 | 83/12 | 105/15 | 214/31 |
| Tensile Strength***** | Mpa (psi) | 0,6 (87) | 0,6 (87) | 0,75 (108) | 0,75(108) | 1,5 (217) | 2.0 (290) |
| Elongation to Failure ***** | % | 140 | 145 | 120 | 120 | 130 | 130 |
| Compression Set 50% 22 hours @ 70/100 C***** | % | 5,0/6,7 | 3,8/4,8 | 3,6/4,4 | 3,0/4,3 | 30,0/4,3 | 3,0/6,0 |
| * BSENISO 845 ASTM D3574 | **ASTM D2240 | *** BSENISO 386 part 1,2 | ****ASTM D1056 | *****BSENISO 1798 ASTM D412 | | | |
| *****BSENISO 1856 | | | | | | | |

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