

| Material | | Properties |
|---|---|---|
| Silicone Rubber Sheet 1200mm Grade GP 60 FDA Silicone – Elastomer: Vinylmethylsiloxan – VMQ – Peroxide cured Translucent. | | Directives: EU1935/2004, 2023/2006; FDA 177.2600; USDA 3-A Sanitary standard 18-03 (See also below) |
| Technical data | | Applications |
| General Properties | Specification Limits (Typical Value) | The material is according to Reach and RoHS Silicone Rubber Sheet Grade GP 60 FDA is suitable for food, medical + pharmaceutical applications, physiological harmless, bacteriological indifferent, allergy uncommitted, fungicide, non-toxic, non corrosive, non sticky, nonconductive, repeated sterilization. |
| Hardness** | 55-65 Sh.A. ±5 | |
| Density* | 1.2 g/m ³ +/-0,1 | |
| Compression Set*** | Max 30% (17-20%±5 (24h / 150°C) | |
| Mechanical Properties | | |
| Tensile Strength | Min. 5.5 MPa – min 795 psi (10.5 MPa – 1523 psi) | |
| Elongation to Failure | Min. 250% (360%) | |
| Tear Strength | Min. 10,0 N/mm (14,7 N/mm) | |
| Brittle Point | -80°C (Q.com) | |
| Thermal Conductive | 0.24 (W.m ⁻¹ .K ⁻¹) | |
| Max. cont. Temperature | 200°C | |
| Min. Temperature | -60°C | |
| Resistance: Excellent resistance to ozone, oxidant, ultraviolet light, corona discharge, cosmic radiation, (V10 ⁵ GRAYS/10 ⁷ RADS), ionising chemical. Conditionally oil-resistant dependent on type – self-testing. | | |
| We confirm, that there are no banned substances in Silicone Rubber Sheet Grade 60 GP translucent and it does not contain any chemicals listed in the regulations: <u>IRLS-LIST 101 (prev. VDA-LIST 232-101); EU-Basic Directive 76/769/EWG,</u> <u>EU Directive: 91/157/EWG; 94/62/EG; 2000/53/EG; 2003/11/EG; 2003/11/EG; 2003/53/EG; 2004/01/EG;</u> <u>ROHs 2002/95/EG; WEEE 2002/96/EG; REACH EG Regulation 1907 – ECHA/PR/10021 dated 13.01.2010;</u> <u>SVHC free, Definition s.S.2, Appendix XIV</u> | | |
| Disclaimer | | Availability |
| 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 | | Colour: Translucent, Red Ion Oxide, White, Blue as well others on request. Thickness: From 0.3 – 10.0mm others on request |

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*DIN 53479 A

** DIN 53505 ASTM D2240

*** DIN 53717 Type II BS 903 pt A6 type B