

Certifications:

IATF16949 • ISO9001 • ISO13485 • ISO14001 • ISO50001 • IIP (Investors in People)

# Silicone Hoses, Hose Sections & Rings



## Overview:

Silicone hoses and hose sections are ideal for both electrical insulation and for conveying liquids and other media. The prime characteristics in favour of using these products usually include the outstanding chemical resistance together with the wide range of temperatures covered by silicone. Other important advantages of silicone hoses include the high transparency or full range of colour possibilities which can be matched to samples or to the RAL colour chart, together with the large number of international standards covered by silicone so that it can be used in the domestic appliance industry, in the drinking water sector, in medical technology and in the pharmaceutical industry (see table below). Together with classical applications in beverage vending machines and coffee machines, hoses made of plasticizer-free, physiologically and toxicologically harmless silicone are also assuming increasing importance on the sanitary sector. The fact that hoses can be sterilized is highly significant in the medical and pharmaceutical sectors, and the fact that they do not turn brittle even under high thermal and mechanical loads is another major advantage.

## Hose Solutions For Specific Applications:

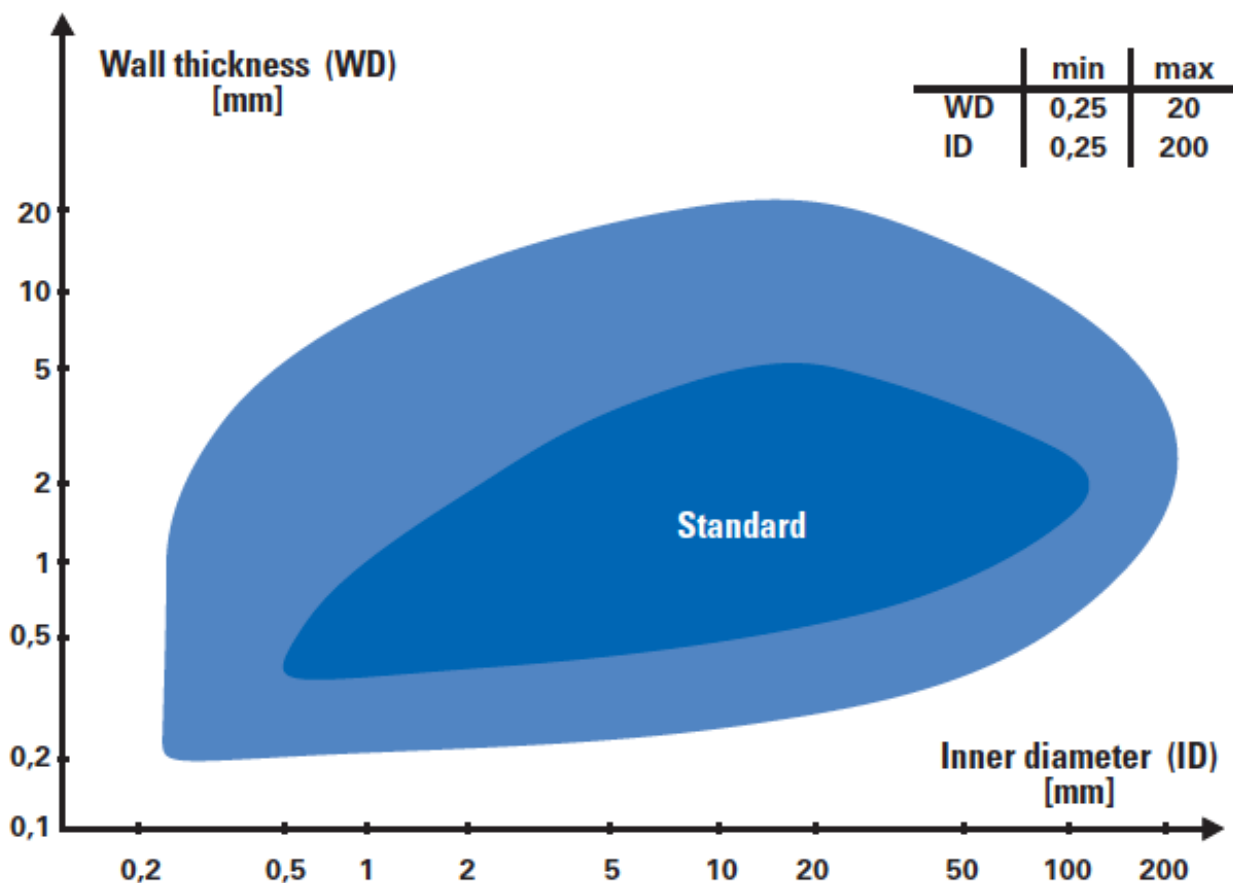
- Hose manifolds for constricted installation situations (e.g. coffee machines)
- Hand-made moulded hose pieces (e.g. industrial kitchen drain hoses)
- Cut-off hose sections (e.g. electrical insulating hoses)
- Multi-lumen and multi-channel hoses (e.g. dental air and water supply and suction systems)
- Sliced hose rings (e.g. lamp socket seals)
- Hose seals bonded to a ring (e.g. lamp and headlamp housing seals)
- Conductive hose cuffs (e.g. copying machine roller covers)
- Grooved or knobbed hose sections (e.g. transport rollers)
- Co-extruded combination hoses with conductive and insulating sections (e.g. medical sensors) or superimposed layers (e.g. high-voltage charge eliminators in the electrical industry)
- Crystal-clear platinum-vulcanized hoses (e.g. peristaltic pumps)
- Printed hoses (e.g. for exhaust applications)

Get in touch with us for specialty applications, extraordinary atmospheric conditions, highly aggressive media or design queries. We will work with you to find a solution.

## International Standard Silicone Chart

| Standards           | Peroxide- Vulcanised Silicone |                         | Platinum Catalysed Additional- Vulcanised Silicone |                   |
|---------------------|-------------------------------|-------------------------|----------------------------------------------------|-------------------|
|                     | Shore A Hardness              | Temperature Class       | Shore A Hardness                                   | Temperature Class |
| BgVV XV             | 20 - 70                       | 300°C                   | 40 - 70                                            | 280°C             |
| Part A "Silicone"   | 80 & 90                       | 200°C                   | 80                                                 | 180°C             |
| FDA 177.2600        | 20 - 70                       | 300°C                   | 40 - 70                                            | 280°C             |
|                     | 80 & 90                       | 200°C                   | 80                                                 | 180°C             |
| USP Class VI        | 40 - 80                       | 200°C                   | 40 - 70                                            | 280°C             |
|                     |                               |                         |                                                    | 180°C             |
| BS 6920 WRAS        | 30 - 80                       | 200°C                   | 40 - 80                                            | 280°C             |
|                     |                               |                         |                                                    | 180°C             |
| KTW- recommendation | 40 - 80                       | 200°C                   | -                                                  | -                 |
| NGBI.28             |                               | Class C, D1, D2         |                                                    |                   |
| UL 94               | 20 - 90                       | Class HB/VO*            | 40 - 80                                            | 180°C             |
|                     | 60                            | VO ( Raw Material)      |                                                    | Class HB/VO*      |
| ATS 1000            | 60 & 80                       | 200°C                   | -                                                  | -                 |
| FAR 25853           |                               |                         |                                                    |                   |
| DIN EN 549          | 60                            | Hardness Range H2 Class | -                                                  | -                 |
| DVGW                |                               | E1 (-150°C)             |                                                    |                   |
|                     |                               | Nr. NE 5112 AN 0205     |                                                    |                   |
| * In-house Testing  |                               |                         |                                                    |                   |

## Performance Range of Silicone Hose



For Technical Service Support and Supplies : Contact Exclusive Asia Distributor and Converter

**Everjoy Industrial Supplies Pte. Ltd.**

38 Woodlands Industrial Park E1, #04-11 Singapore 757700

Tel.: +65 6748 3093 Fax: +65 6748 7202 Email: [salesmgnt@everjoy.com.sg](mailto:salesmgnt@everjoy.com.sg)