



Silicone tube, MF960 U

technical data

Silicone tube, MF 960 U, 60° Shore A, translucent

Properties

| | |
|-------------------------------------------|-----------------------------|
| hardness Shore A (DIN 53505) | 60° |
| density (DIN 53749) | 1,20 |
| tear strength (DIN 53504 S1) | 22 [N/mm ²] |
| elongation at break (DIN 53504 S1) | 500 [%] |
| compression set (DIN 53517) | 35 |
| tear-growth resistance (ASTM D 624 Die B) | 15 [N/mm ²] |
| Elect. contact resistance at RT | 10 ¹⁵ [Ohm x cm] |
| breakdown voltage | 25 [kV/mm] |
| temperature resistance (long term) | +200° [C] |
| temperature resistance (short) | + 250° [C] |
| cold flexibility | -60° [C] |

Tolerances

according to DIN 7715. Following tolerances are allowed:

1. inner diameter:

| | |
|-------------------------|-----------------------|
| nominal size range (mm) | admissible tolerance: |
| up to 2,0 | +/- 0,15 |
| 2,0 - 5,0 | +/- 0,2 |
| 5,0 - 12,0 | +/- 0,4 |

2. wall thickness:

| | |
|-------------------------|---------|
| nominal size range (mm) | |
| up to 3,5 | +/- 0,3 |
| 4,0 - 12,0 | +/- 0,5 |

Indications

conform with the requirements of the:

- German Regulation : BfR (BGVV) Chapter XVA : Silicones
- American Regulation : FDA / Code of Federal Regulation 21 / 177-2600
- French Regulation : Journal Officiel - Brochure 1227

Products manufactured from the MF960 U are not particle free and are not suitable for the use in a critical medical environment.

It is therefore the user responsibility to ensure that a suitable process is used to produce materials and articles that conform in every aspect to the above mentioned regulation.

Please consider, that the above mentioned properties are typical but are not applicable for the creation of specifications.