

# RT-SIL60-TL-FG

Food grade · silicone · translucent · 60 Sh A

## Product overview

|                       |                                                   |
|-----------------------|---------------------------------------------------|
| Material family       | Food grade                                        |
| Colour                | Translucent                                       |
| Available thicknesses | 1 · 1.5 · 2 · 3 · 4 · 5 · 6 · 8 · 10 · 12 · 15 mm |
| Roll width            | 1200 mm                                           |
| Roll length           | 10000 mm                                          |
| Typical use           | Food-contact suitable.                            |

## Certifications & compliance

- Food contact: complies with FDA requirements and EU Regulation (EC) No 1935/2004
- REACH, RoHS and PAH compliant

## Technical properties

| Property                                                           | Test method                    | Typical value                     |
|--------------------------------------------------------------------|--------------------------------|-----------------------------------|
| Specific gravity                                                   | DIN 53508 / ASTM D297          | 1.20±0.05                         |
| Hardness                                                           | DIN 53505 / ASTM D2240         | 60 ± 5 Sh A                       |
| Tensile strength (min)                                             | DIN 53504 / ASTM D412          | 853 PSI / 60 kg/cm <sup>2</sup>   |
| Elongation at break (min)                                          | DIN 53504 / ASTM D412          | 250%                              |
| Compression set (70°C/24 h/25% compression) (max)                  | DIN 53517 / ASTM D395 METHOD B | 45 %                              |
| Tear resistance (angular) min                                      | DIN 53515 / ASTM D624          | 112 lbs/inch / 20 kg/cm           |
| <b>Change in properties after heat ageing for (72 h at 100 °C)</b> |                                |                                   |
| <b>)</b>                                                           |                                |                                   |
| Hardness (pts)                                                     |                                | +3 (max)                          |
| Tensile strength (%)                                               |                                | +5 / - 5                          |
| Elongation at break (%)                                            |                                | +5 / - 5                          |
| <b>Volume swell: at 70°C for 72 h</b>                              | ASTM D471                      |                                   |
| <b>H</b>                                                           |                                |                                   |
| In IRM oil No. 901                                                 |                                | Not recommended                   |
| In IRM oil No. 902                                                 |                                | Not recommended                   |
| In IRM oil No. 903                                                 |                                | Not recommended                   |
| <b>Chemical resistance</b>                                         |                                |                                   |
| Ozone                                                              | ASTM D1149                     | Excellent                         |
| Dilute acids and bases                                             |                                | Excellent                         |
| Concentrated acids and bases                                       |                                | Excellent                         |
| Oils                                                               |                                | Not recommended                   |
| Solvents                                                           |                                | Not recommended                   |
| Temperature range                                                  |                                | -90 °C to +230 °C TRANSLUCENT/RED |