

## Technical Data

### Food Grade Rubber Sheets (FoodSafe SI60 Pro)

### FoodSafe SI60 Pro

**Model: RS-FOSA(P)-SI14060**

**FoodSafe SI60 Pro** is a high-purity, food-grade silicone rubber sheet engineered for highly sensitive environments where safety, hygiene, and durability are paramount.

With its translucent finish, this material supports visual cleanliness and inspection—ideal for pharmaceutical production lines, cleanrooms, and food processing units. It withstands extreme temperatures, from freezing to baking or autoclaving, and resists microbial growth, oxidation, and harsh cleaning agents.

Designed to perform under strict regulatory conditions, this sheet ensures long-lasting flexibility and sealing performance in demanding, high-purity applications.

FoodSafe SI60 Pro offers unmatched purity and thermal stability, enabling safe use in high-temperature or sterilized production zones. Its inert surface chemistry and visual traceability reduce risk in critical control points, while maintaining compliance with global food and pharma standards.

For quality-sensitive sectors, it provides peace of mind through consistent material integrity and minimal contamination potential.

### PRODUCT FEATURES



**High-purity food-grade silicone**

Safe for direct contact without risk of odor, flavor, or toxin transfer.



**Wide temperature tolerance**

Performs in cold storage, baking, and sterilization, offering full versatility



**Translucent, non-marking finish**

Supports hygiene checks and reduces contamination risks



**Microbial and chemical resistant**

Prevents mold and bacterial growth during frequent washdowns



**Soft, flexible, and elastic**

Ensures leak-proof sealing around irregular or delicate surfaces



**Autoclave compatible**

Maintains shape and performance after repeated steam and heat exposure



### DID YOU KNOW?

Food-grade rubber must meet FDA 21 CFR 177.2600 standards, ensuring it does not impart taste or odor while resisting microbial growth—critical for food processing and packaging industries.

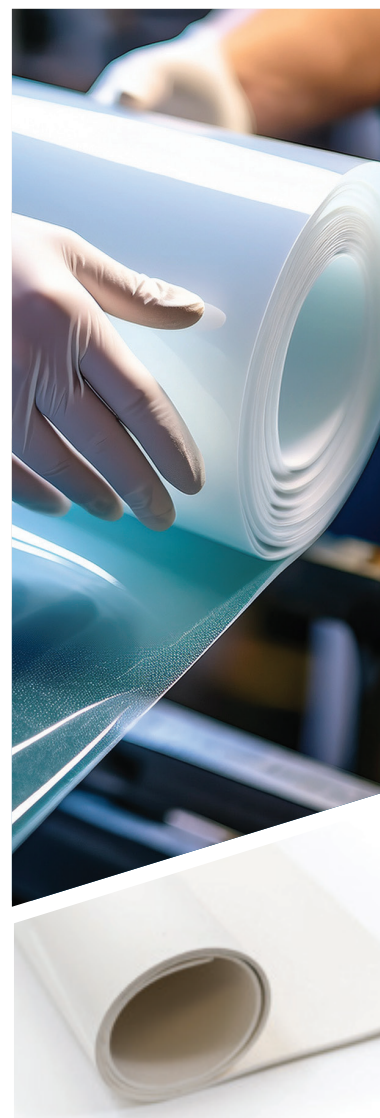
(Source: FDA Compliance Guidelines)



| MEASURED PROPERTIES              | TESTING STANDARD   | SPECIFIED VALUES    | OBSERVED VALUES |                 |
|----------------------------------|--|---------------------|-----------------|-----------------|
| PHYSICAL & MECHANICAL PROPERTIES |  |                     |                 |                 |
| Tensile Strength                 | ASTM D412  | 5.0 MPa (Min)       | 5.3 MPa         |                 |
| Elongation at Break              | ASTM D412  | 350% (Min)          | 368%            |                 |
| Hardness                         | ASTM D2240   | 60° ± 5° Shore A    | 62° Shore A     |                 |
| Specific Gravity                 | ASTM D297  | 1.30 ± 0.05         | 1.31            |                 |
| Working Temperature              | -  | -10 °C to +110 °C   | Conforms        |                 |
| CHEMICAL RESISTANCE              |  |                     |                 |                 |
| Ozone                            | Dilute Acids & Bases   | Conc. Acids & Bases | Oils            | Solvents        |
| Very Good                        | Very Good  | Very Good           | Not Recommended | Not Recommended |
| IDENTIFICATION                   |  |                     |                 |                 |
| Branding                         | Duratuf  |                     |                 |                 |
| Colour                           | White/ Translucent   |                     |                 |                 |
| Grade                            | Pro  |                     |                 |                 |
| Polymer                          | SI   |                     |                 |                 |
| Polymer Content                  | 100%   |                     |                 |                 |
| Finish                           | Top & bottom plain   |                     |                 |                 |
| Packaging                        | With white coloured HDPE woven fabric  |                     |                 |                 |
| Labelling                        | Label indicating Product Name, Dimensions, Batch No., Mfg. Month & Year, Quantity, and Package No. to allow traceability |                     |                 |                 |

Note: Manufacturing tolerance of ± 10% on thickness, ± 2% on width and length and ±10% on weight shall be applicable.

|              |   |
|--------------|---|
| Applications | <ul style="list-style-type: none"> <li>Sealing and lining in beverage bottling and water purification plants</li> <li>Gaskets in pharmaceutical and dairy processing lines</li> <li>Lining in fruit and vegetable washing systems</li> <li>Non-toxic splash guard sheets in clean-in-place units</li> <li>Flooring pads in high-temperature or humid food areas</li> <li>Door and lid seals in industrial steamers or ovens</li> <li>Covers or spacers in outdoor food vending units</li> </ul> |
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## Ordering Information

Please provide the following details for accurate order processing

