



**SealingProjex**

SPECIALIST SEALING SOLUTIONS

# Pro-Sil Silicone Sponge Sheet FDA compliant Specification

## Temperature Range

-60C to 230C (-76 to 446F)

Pro-Sil Silicone Sponge has been tested to and is in compliance with the American Food and Drugs Administration (FDA) 21 CFR 177-2600 .

## Mechanical Properties

| Property                           | Units               | Spec Limits | Typical Value | Test Method           |
|------------------------------------|---------------------|-------------|---------------|-----------------------|
| *Density                           | kg.m <sup>-3</sup>  | 400 ±50     | 420           | BSENISO 845           |
|                                    | lb.ft <sup>-3</sup> | 25±30       | 26            | ASTM D3574            |
| **Hardness                         | Shore OO            | -           | 60            | ASTM D2240            |
|                                    | Shore A             |             | 15            |                       |
| *** Compression Stress             | kPa                 | 80 ±20      | 90            | BSENISO 3386 part1, 2 |
| 40% strain                         | psi                 | 9-15        | 13            |                       |
| Tensile Strength                   | MPa                 | 0.5 min.    | 0.90          | BSENISO 1798          |
|                                    | psi                 | 73          | 131           | ASTM D412             |
| Elongation to Failure              | %                   | 400min.     | 590           | BSENISO 1798          |
| Compression Set                    | %                   | 15max       | 3.5           | BSENISO 1856          |
| 50% compression, 24 hours recovery |                     |             |               | ASTM D412             |
| 22 hours @ 70°C (158°C)            |                     |             |               |                       |
| 22 hours @ 100°C (212°F)           | %                   | 15max       | 4.0           | ASTM D1056            |



Sealing Projex Limited, Unit C2, Walter-leigh Way, Moss Industrial estate Leigh

WN7 3PT

01942 604107 enquiries@sealingprojex.com