

STATEMENT ON HORIZONTAL BURN: AUTOMOTIVE STANDARD PART 571, FMVSS 302 & FAR/CS 25

Sil and Gp – silicone rubber

This certificate is to confirm that the Sil and GP (thickness of $\geq 0.5\text{mm}$) families of silicone elastomer products are tested to and comply with the requirements of Automotive Standard Part 571, FMVSS 302 & FAR 25 App. F sec. A 1 (iv) & (v) (horizontal burn test).

During FMVSS 302 testing all samples self-extinguish before the flame reaches the 38mm timing start mark, giving a burn rate of 0mm/min. In most instances of thicker materials ($>3\text{mm}$), the silicone does not ignite what-so-ever. This indicates that the materials have a flammability performance far in excess of that required by the test method and so Sil GP and GP silicones meet all the requirements of FMVSS 302.

During FAR/CS 25 App. F, sec. A 1 (iv) & (v) testing all samples self-extinguish before the flame reaches the 1.5-inch timing start mark, giving a burn rate of 0 inch/min. In most instances of thicker materials ($>3\text{mm}$), the silicone does not ignite what-so-ever. This indicates that the materials have a flammability performance far in excess of that required by the test method and so Sil and GP silicones meet all the requirements of FAR 25 App. F, sec. A 1 (iv) & (v).

Silex Ltd.
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