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CERTIFIED TO ISO9001 – 2015

SILICONE SPONGE RUBBER

Silicone sponge is closed cell sponge elastomer expanded during the heating process.

This expansion is what creates the closed cell silicone sponge.

A special non-toxic blowing agent ingredient is added to the raw silicone material. The gases from this blowing agent are what causes the air pockets in the sponge.

This is only possible during the heat curing process (One can compare the process to adding yeast while baking bread).

Silicone Extrusions Sponge is made using high quality 40 shore A hardness silicone with a premium quality blowing agent and curing system.

Each batch of our sponge is carefully mixed using a specially calculated mixing formula. This ensures consistent results through every batch.

Machine speeds and temperatures are constantly monitored throughout the extrusion process.

Due to the nature of the sponge material, there is no method of testing hardness once the blowing and heat curing has occurred. A hardness tester and supplier records can be used to determine the hardness of the raw silicone used. Unfortunately, due to the nature of the closed cell sponge (having air bubbles), the hardness tester cannot be used once the product is made and heat cured.

The combination of using quality non-toxic materials and the heat curing process, enables our Silicone Sponge to be used in food contact applications.

Silicone sponge has an excellent compression set, (the ability to come back to its original shape) and UV resistance which makes it ideal for weather sealing.

NOTE: This information and our technical advice – whether verbal or in writing are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to check its validity and to test our products as to their suitability for the intended processes and use. Intellectual property is owned by Silicone Extrusions (Pty) Ltd.