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Specification Sheet (Superceded) / 01
A336 24lb Silicone Rubber Sponge

8320
Certificate No. 11738-EMS-001
ISO 9001:2015 ISO 14001:2015

Product Form

Profile extrusions, sheeting, cord, joined rings, punched forms and self adhesive backed.

Applications

Cellular silicone rubber is suitable where a soft, easily deformed rubber is required, for example, for high temperature seals and gaskets. The sheets and punched parts are all available with self-adhesive backing to ease assembly.

Thermal Properties

The range is suitable for continuous use at temperatures up to +200°C. It has even been found that at temperatures as high as +300°C useful lives of up to 10 hours can be achieved. They are also suitable for use at temperatures as low as -60°C.

Chemical Composition

This range of polydimethylsiloxane have been "free-blown" with a chemical blowing agent and crosslinked with an organic peroxide. The cellular structure is produced without the use of CFC' s thus making less damaging to the environment.

Flammability Characteristics

SIL24FR has a Limiting Oxygen Index (LOI) of 23.2% (BS2782 Part 1) and comply with the following flammability specifications: FAR 25.853 (a)(1)(iv) and (a)(1)(v) horizontal flammability tests. CAA specification 8 issue 2 (2.2)(c) and (d) horizontal flammability tests.

Property	*Unit*	*Spec Limits*	*Typical Value*	*Test Method*
Apparent Density (1)	Kg/m³	400±40	400	BSENISO 845
(1) Density measured on 25mm diameter cord sample. The density of of samples of different sizes will be different from that stated here.				
Hardness (2)	Shore 00	65±5	64	ASTM D2240
Hardness (2)	Shore A	17±3		ASTM D2240
(2) Hardnesss measured on 10mm thick samples. At less than 10mm the hardness will increase with density. It is not possible to perform a Shore A hardness test on a sponge material. These values are provided as a guideline for comparison to solid material				
Compression Stress 40% Strain (3)	kPa	160±40	160	BSENISO 3386 Part 1,2
(3) Compression set measured on a 25mm thick sample. The compression stress of the material increases with the density as the sample thickness in reduced				
Tensile Strength	N/mm²	1.0 min	1.6	BSENISO 1798
Elongation at break	%	75 min	150	BSENISO 1798
Compression Set 22hrs @ 70°C	%	15 max	10	BSENISO 1856 Type A
For further information about the physical properties of other sample sizes, please contact the technical department.				

Change Control Date	*Change*
31/07/2013	Created

The above figures are average values.
We recommend that you examine any material you select to ensure its suitability for your application.
Tolerance(s) applied in accordance with ASG specification No WI007 (https://bit.ly/3nKm6Hj) unless otherwise stated.
Our standard terms and conditions of trading (https://bit.ly/3b3mThw) apply at all times.