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Specification Sheet (Superceded) / 01
A336 10lb 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. 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

A336 10lb has a Limiting Oxygen Index (LOI) of 24% (BS2782 Part 1) and comply with the following flammability specifications: FAR 25/JAR25/CS25 Appendix F, Part 1(a)(1)(iv) and (a)(1)(v) horizontal flammability tests.and Automotive standard Part 571FMVSS302.

Property	*Unit*	*Spec Limits*	*Typical Value*	*Test Method*
Apparent Density (1)	Kg/m³	200±40	195	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	35±5	35	ASTM D2240
Hardness (2)	Shore A	<5	35	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	50±40	50	BSENISO 3386 Part 1,2
(3) Compression stress measured on samples as defined by BSENISO 3386. The compression stress on samples of different dimensions, especially thickness may vary from quoted here. For further information about physical properties for other sample sizes please contact us				
Tensile Strength	mPa	0.5 min	0.6	BSENISO 1798
Elongation at break	%	110 min	140	BSENISO 1798
Compression Set 22hrs @ 70°C	%	20 max	15	BSENISO 1856 Type A
Compression Set 22hrs @ 100°C	%	20 max	18	ASTM D1056
For further information about the physical properties of other sample sizes, please contact the technical department.				

Change Control Date	*Change*
16/11/18	Change