

Specification Sheet (Superceded) / 01 A336 20lb FDA Silicone Rubber Sponge



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

Product Form

Profile extrusions, sheeting, cord, joined rings, punched forms with FDA ingredients. This material is particularly suited to the food and pharmaceutical industries that need a soft, compressible material with excellent thermal stability from -50c up to +200 c

Features

Low compression set
Excellent resistance to weathering
Resistance to UV and ozone
Good thermal insulator
Closed cell structure and sealed outer skin, suitable for air/water sealing applications
Platinum Cured
Excellent 'white' colour (can be pigmented in other colours)
Mainly closed cell
Smooth skin
US FDA 21CFR 177.2600 compliant
EC1935/2004 compliant
BfR recommendation XV compliant

Applications

The inherent flexibility of the product coupled with its excellent properties means that it can be used in a range of applications across wide market offerings such as :
High and low temperature gasket and seals
Thermal insulation for both hot and cold applications
Weather seals in external environments
Food sensitive/food processing

Options

Produced White as standard
Available self adhesive backed
Gaskets and joined rings can be supplied in FDA grade

Property	Unit	Value
Density	Kg/m ³	400±40
Density	Lbs/cuft	24 (+-4)
Elongation at break	%	215
Compression Set	%	15
Tensile Strength	Mpa 10mm thick	0.85
Tensile Strength	(newtons) 10mm thick sample	85
Temperature Max	?c Continuous	200
Temperature Max	?c Intermittent	200
Temperature Min	?c	-40
Toxicity NES 713 iss 3		14
Smoke Index NES 711 iss 2		46
Burn Rate BS4736:1974	mm/s	0.03

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Thermal Conductivity	W/m.K	0.0695
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Change Control Date	Change
4/5/16	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.

