

## Specification Sheet (Superceded) / 01 A336 20lb FDA Silicone Rubber Sponge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 <sup>3</sup>	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.

