

# Specification Sheet (Superseded) / 01 A335 Solid Silicone High Temperature Sheeting



## Typical Applications

Automotive, Domestic & Commercial, Catering, Construction, Electronics, Energy, Food & Beverage, Heating and Ventilation (HVAC), Industrial, Lighting, Marine.

Grades	GP40THT	GP50THT	GP60THT	GP70THT
<b>Property</b>	<b>Value</b>			
Temperature Range	60°C (- 76°F) to 300°C (572°F) and up to 315°C (599°F) intermittent short term			
Specification	<p>Our colour range contains only ingredients approved and listed within the American Food and Drugs Administration (FDA) 21 CFR 177-2600.</p> <p>These products meet the flammability requirements of FAR 25/JAR 25/CS 25 Appendix F, part 1, (a)(1)(iv) and (a)(1)(v) horizontal flammability tests and Automotive Standard PART 571FMVSS302.</p>			
Environment Resistance	Silicone rubber products have an excellent resistance to ozone, oxidation, ultraviolet light, corona discharge, cosmic radiation, ionising radiation and weathering in general.			
Availability	<p>Supplied in continuous roll lengths</p> <p>Widths of 1000mm (standard)</p> <p>Pressure sensitive adhesive backing.</p> <p>Punched and water Jet gaskets.</p> <p>Full range of standard colours.</p> <p>Capability to colour match.</p>			

## General Characteristics

Test	Result	Standard
Brittle point	-80°C	ASTM D746
Limiting Oxygen Index	24.0%	BS 2782 Part 1
Thermal Conductivity	0.86 Kjm <sup>-1</sup> hr <sup>-1</sup> K <sup>-1</sup> (0.24 Wm <sup>-1</sup> K)	VDE 0304
Radiation Resistance	>10 <sup>-5</sup> Grays (10 <sup>-7</sup> Rads) typical	.
Dialectric strength (KV/mm)	23	VDE0303
Dialectric constant	2.9	VDE0303
Dissipation factor @ 50 liz (tan delta)	3 x 10E-4	VDE0303
Volume resistance (Ohm.cm)	3 x 10E15	VDE0303

Change Control Date	Change
01/06/2017	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 W1007 (<https://bit.ly/3nKm6Hj>) unless otherwise stated.  
Our standard terms and conditions of trading (<https://bit.ly/3b3mThw>) apply at all times.

