

# HT603A

HT603A is a low density, low compression set, fire retardant silicone foam which is non-toxic, UV and ozone resistant and able to withstand extreme temperatures. Its major applications can be found within the aircraft, automotive, mass transit and electronics industries.

Note: certain thicknesses can be offered to BMS 1-68 Form II, AIMS 04-14-002 A and ABS5767.

See also [HT606A](#) which is HT603A backed with AD adhesive.

Applications	<ul style="list-style-type: none"><li>Gap Filling</li><li>Gaskets</li><li>Seals</li><li>Thermal Insulation</li></ul>
Product Features	<ul style="list-style-type: none"><li>Dust sealing</li><li>FDA compliant (white only)</li><li>Fire retardant</li><li>Good thermal insulation</li><li>High temperature applications</li><li>Low smoke/ low toxic gas emission</li><li>Potential for pressure sensitive adhesive</li><li>UV/Ozone resistant</li><li>Vibration isolation</li></ul>
Quality standards	<ul style="list-style-type: none"><li>ABD0031 Gas Toxicity (A1TM 3.0005)</li><li>ABD0031 Smoke Density (A1TM 2.0007)</li><li>ABS 5767 (certain dimensions)</li><li>AIMS 04-14-002A (certain thicknesses)</li><li>BMS 1-68 Form II (can be offered for certain thicknesses)</li><li>ECS 7046-10 (certain thicknesses)</li><li>FAR 25.853 (a)(1)(i)</li><li>FAR 25.853 (a)(1)(ii)</li><li>FDA compliant (white only) in accordance with FDA regulation 21 CFR 177.2600</li><li>UL94 HF1 &amp; VO (from 1.5mm thickness)</li></ul>
Markets	<ul style="list-style-type: none"><li>Aerospace</li><li>Automotive</li><li>Electronics</li><li>Industrial</li><li>Mass Transit</li></ul>

## Typical properties

Product Property	Value	Test Method
Density (kg/m3)	156-440 Thickness Dependent	
Width (mm)	to 915	

Product Property	Value	Test Method
Colour	White/Grey/Black	
Structure	Mixed Cell	
Thickness	1-25 mm	
Temperature Range (°C)	-55 to 200	
Tensile strength (kPa)	262	ASTM D 412
Compression Force Deflection (kPa) @ 25% deflection	7-35	ASTM D 1056
Compression Set (%) @ 100°C, 22 hrs @ 50% compression	1.7	ASTM D 1056
Elongation (%)	86	ASTM D 412
Thermal conductivity (W/m.K)	0.048	ASTM D 518
Dielectric Constant	1.5	ASTM D 149
Water Absorption (%)	1.4	

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