

# 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.

<b>Applications</b>	<ul style="list-style-type: none"> <li>Gap Filling</li> <li>Gaskets</li> <li>Seals</li> <li>Thermal Insulation</li> </ul>
<b>Product Features</b>	<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>
<b>Quality standards</b>	<ul style="list-style-type: none"> <li>ABD0031 Gas Toxicity (AITM 3.0005)</li> <li>ABD0031 Smoke Density (AITM 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>
<b>Markets</b>	<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	ASTMD 412
Compression Force Deflection (kPa) @ 25% deflection	7-35	ASTMD 1056
Compression Set (%) @ 100°C, 22 hrs @ 50% compression	1.7	ASTMD 1056
Elongation (%)	86	ASTMD 412
Thermal conductivity (W/m.K)	0.048	ASTMD 518
Dielectric Constant	1.5	ASTMD 149
Water Absorption (%)	1.4	

NewMet Ltd.

Tel: +44 (0) 1992 711111. Fax: +44 (0) 1992 768393. email: [materials@newmet.com](mailto:materials@newmet.com)

Newmet House, Rue de Saint Lawrence, Waltham Abbey, EN9 1PF, Essex, UK.

Company registered office address: as above

Place of registration: England & Wales Registratio



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