

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 meet 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"> Gap Filling Seals Thermal Insulation
Product Features	<ul style="list-style-type: none"> Dust sealing FDA compliant (white only) Fire retardant Good thermal insulation High temperature applications Low smoke/ low toxic gas emission Potential for pressure sensitive adhesive UV/Ozone resistant Vibration isolation
Quality standards	<ul style="list-style-type: none"> ABD 0031 ABS 5767 (certain dimensions) AIMS 04-14-002A (certain thicknesses) BMS 1-68 Form II (certain thicknesses) ECS 7046-10 (certain thicknesses) FAR 25.853 (a)(1)(i) FAR 25.853 (a)(1)(ii) FDA compliant (white only) in accordance with FDA regulation 21 CFR 177.2600 UL94 HF1 & VO
Markets	<ul style="list-style-type: none"> Aerospace Automotive Electronics Industrial Mass Transit

Typical properties

Product Property	Value	Test Method
Density (kg/m3)	175-440	
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)	241	ASTM D 412
Compression Force Deflection (kPa) @ 25% deflection	7-35	ASTM D 1056
Compression Set @ 70°C	<1%	ASTM D 1056
Elongation (%)	90	ASTM D 412
Thermal conductivity (W/mK)	0.06	ASTM C 518
Dielectric Constant	1.34	ASTM D 149
Water Absorption (%)	3.5	

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