

**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: Gap filling, seals and gaskets and thermal insulation.

**HT606A** is HT603A silicone foam backed with AD adhesive.

Property	Typical Value	Test Method
Density (kg/m <sup>3</sup> )	156 - 440 Thickness Dependent	
Width (mm)	to 915	
Colour	White/Grey/Black	
Structure	Mixed Cell	
Thickness (mm)	1 - 25	
Temperature Range (°C)	-55 to 200	
Tensile Strength (kPa)	140 min.	ASTM D412
Elongation (%)	60 min.	ASTM D412
Compression Force Deflection @ 25% Deflection (kPa)	7 - 35	ASTM D1056
Compression Set @ 100°C, 22hrs @ 50% Compression (%)	< 5	ASTM D1056
Thermal Conductivity (W/m.K)	0.054	ASTM D518
Dielectric Constant	1.34	ASTM D149
Water Absorption (%)	3.5	

#### Meets:

- ABD0031
- FAR 25-853 (a)(1)(i) & (a)(1)(ii)
- UL94 HF1 & VO (HT603A from 1.5 mm thickness)
- ECS 7046-10 (HT603A certain thicknesses)
- ABS 5006 (HT606A certain dimensions)
- BMS 1-68 Form II & Form III (can be offered for certain thicknesses)
- AIMS 04-14-002 A & B (certain thicknesses)
- ABS 5767 (HT603A certain dimensions)
- FDA compliant (HT603A white only) in accordance with FDA regulation 21 CFR 177.2600

HT603A can be supplied with a wide range of adhesives.

Temperature range of adhesive backed HT603A:-

- HT606A with AD: to 120°C
- HT603-S4 with S4 adhesive: to 200°C