

### TECHNICAL DATASHEET HT603A / HT606A

**Material Description:**

Low density, low compression set, fire retardant 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.

HT603A is silicone foam.

HT606A is HT603A silicone foam backed with AD adhesive.

Property	HT603A Typical Value
Density (kg/m <sup>3</sup> )	175 to 440 Thickness dependent
Width (mm)	To 915
Colour	White /Grey / Black
Structure	Mixed Cell
Thickness (mm)	1 to 25
Temperature Range (°C)	-55 to 200
Tensile Strength - ASTM D 412 (kPa)	241
Compression Force Deflection 25% deflection - ASTM D 1056 (kPa)	7-35
Compression Set @ 70°C - ASTM D 1056 (%)	<1
Elongation ASTM D 412	90
Thermal Conductivity - ASTM C 518 (W/m.K)	0.06
Dielectric Constant - ASTM D 149	1.34
Water Absorption (%)	3.5

**Meets:**

- **ABD0031**
- **FAR 25-853 (a)(1)(i)**
- **FAR 25-853 (a)(1)(ii)**
- **UL94 HF1 & V0 (HT603A)**
- **ABS 5006 (HT606A)**
- **BMS 1-68 Form II and Form III (certain thicknesses)**
- **AIMS 04-14-002 A and B (certain thicknesses)**
- **ABS 5767 (HT603A) 25mm thick**

HT603A can be supplied with a wide range of adhesives (see previous page)

Temperature Range Adhesive backed HT603A  
With AD: to 120°C (HT606A)  
With EN: to 200°C HT606—EN)

Tensile Strength HT606A - ASTM D 412 (kPa): 276

**Sales Contact Lines:**

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The data and specifications are for reference and guidance only, are subject to change and do not constitute a warranty to fitness for a particular purpose .