

NEWMET SILICONES

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 adhesive backed HT603A silicone foam.

Typical Property	HT603A Value
Density (kg/m ³)	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**
- **UL94 HF1 & V0 (HT603A)**
- **ABS 5006 (HT606A)**
- **BMS 1-68 Form II and Form III - (certain thicknesses)**
- **AIMS 04-14-002A and B - (certain thicknesses)**
- **ABS 5767 (HT603A) 25mm thick**

HT603A can be supplied with a wide range of adhesives (see next 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