

Packstat PS582 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.

Product Benefits

- AITM2.0007/ABD0031 Smoke Density
- AITM3.0005/ABD0031 Gas Toxicity
- FAR 25.853 (a)(1)(i) & (a)(1)(ii) (HT606A bonded to substrate*)
- UL94 HF1 & V0 (HT603A from 1.5 mm thickness)
- ABS 5006 (HT606A certain dimensions)
- ABS 5767 (HT603A certain dimensions)
- ECS 7046-10 (HT603A certain thicknesses)
- AIMS 04-14-002 A & B (certain thicknesses)
- BMS 1-68 Form II & Form III (can be offered for certain thicknesses)
- FDA compliant (HT603A white only) in accordance with FDA regulation 21 CFR 177.2600

Main Applications

Its major applications can be found within the aircraft, automotive, mass transit and electronics industries:

- Gap filling,
- Seals and gaskets
- Thermal insulation

PS582 can be supplied with a wide range of adhesives.

Temperature range of adhesive backed PS582:-

- PS582 with AD: to 120°C
- PS584-S4 with S4 adhesive: to 200°C

Product Properties	Nominal Value	Test Method
Density (kg/m ³)	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)	262	ASTM D412
Elongation (%)	86	ASTM D412
Compression Force Deflection @ 25% Deflection (kPa)	7 – 35	ASTM D1056
Compression Set @ 100°C, 22hrs@ 50% Compression (%)	1.7	ASTM D1056
Thermal Conductivity (W/m.K)	0.048	ASTM C518
Dielectric Constant, 1 kHz	1.5	ASTM D150
Water Absorption (%)	1.4	

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The information supplied is accurate to the best of knowledge and is based upon current data. Properties quoted are typical and do not therefore, constitute a specification. Customers are recommended to complete their own assessment of the product for its intended application under their own conditions. Once issued however, it is an uncontrolled document. Please refer to our Terms & Conditions of Sale for further information.

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