

Data Sheet

HT800 Medium Cellular Silicone

Data Sheet Type	Final
Material Reference	HT800
Polymer	Silicone
Date Issued	20/05/24



Description

A versatile medium firmness silicone that offers the lightness of a foam with the enhanced sealing capabilities of a traditional sponge rubber. Use in Electronics Enclosures in outside environments for protection against wind, rain and fire.

Meets Global Standards including AMS3195 and FAR 25.853.

Specifications	Values	Test Methods
Compression Set - Test D at 100°C	< 5 %	ASTM D1056
Compression Set - Test D at 70°C	< 1 %	ASTM D1056
Compression Stress/Strain - 25%	62 Kpa	BS ISO 7214 2012
Density	352 Kg/m3	BS ISO 7214 2012
Elongation at Break	80 %	ASTM D412
Flame Spread Index(Is)	< 25	ASTM E162
Smoke Density(Ds) @ 4 Minutes	< 50	ASTM E662
Smoke Density(Ds) @ 1.5 Minutes	< 20	ASTM E662
Toxic Gas Emmissions	Pass	SMP-800C

Purposes



Flame Retardent



Water Resistant



Weather Resistance

Important Notes about this Material Data Sheet

This datasheet has been carefully compiled to advise you, our customer, in the best possible way. The information, figures, test values, and data correspond to actual engineering standards and are the result of many years of tests and trials. As individual operating conditions influence the application of each product, the information supplied in this datasheet can only be seen as a rough guideline. In every case it is the sole responsibility of the customer to

evaluate his individual requirements, in particular whether the specified properties of our products are sufficient for the intended use. This datasheet is subject to alteration without prior notice . All mentioned values contained herein are guiding values representing long-term experience averages. Please be aware that Test Results for individual Material Batches will only be provided if requested at the time of order and may be subject to additional charges and/or lead times. This Data Sheet supersedes all previous data sheets and any other data previously provided either Verbally, Electronic or Written, with reference to the above Material Grade.