

## HT800 Flame Retardant Silicone Sponge Sheet

HT-800 is a lightweight material that provides superb sealing capabilities due to its closed cellular structure. Combined with excellent memory, this sponge can be used as a reliable gasket seal to protect against dust, moisture and air penetration in lighting fixtures, HVAC units and electronic cabinets. This rubber sheeting is available with pressure sensitive adhesive backing. Polymax also provide a fabrication service to create gaskets or strips - please call us for more information.

### Approvals

Various thicknesses meet different EN 45545 specifications, please view each product datasheet for more information. Compliant with GENERAL MOTORS GMW16392 Type 2, CHRYSLER MS-AY-556 Table 1 Medium Density, UL94 V-0 HF-1, AMS 3195, ASTM E 162, ASTM E 662 and SMP-800C.

**Operating temperature range: -55°C to 200°C**

Physical Property	Test Method	Units	Typical Values
Elongation at Break	ASTM D412	%	80
Tensile Strength	ASTM D412	MPa	0.31
Compression Set ASTM D 1056 Test D @ 70°C		%	<1
Flame Resistance	UL 94		Listed V-0 and HF-1
Flame Spread Index	ASTM E162	Ls	<25
Smoke Density	ASTM E 662	Ds	<50
Toxic Gas Emissions Rating	SMP-800C		Pass
Water Absorption	Internal: 24hrs @ room temp	%	1.4
UV Resistance	SAE J - 1960		No Degradation
Ozone Effect Rating	ASTM D 1171		No Cracks
Corrosion Resistance	AMS - 3568		Pass
Dielectric Constant	ASTM D 150		1.42
Dialectric Strenght	ASTM D 149	Volts/mil	91
Dry Arc Resistance	ASTMD 485	Seconds	92
Volume Resistivity	ASTM D 257	Ohm-cm	10 <sup>14</sup>
Thermal Conductivity	ASTM C 518	w/m <sup>°K</sup>	0.09

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