

HT870 Flame Retardant Silicone Sponge Sheet 915mm x 9.53mm

Product SKU: 3044005

Soft density fire retardant silicone sponge sheet.

Colour: Red

Material: Silicone

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

EN 45545 HL3 (R9 & R10), GENERAL MOTORS GMW16392 Type 1 and UL 94 V-0 HF-1.



Physical Property	Test Method	Units	Typical Values
Hardness	ASTM D412	ShA	
Elongation at Break	ASTM D412	%	90
Tensile Strength	ASTM D412	MPa	0.207
Tear Resistance	ASTM D412	kN/m	
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 @ 4 Minutes	ASTM E 662	Ds	<50
Toxic Gas Emissions Rating	SMP-800C		Pass
Water Absorption	Internal: 24hrs @ room temp	%	2.5
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		1.38
Dialectric Strenght	ASTM D 149	Volts/mil	90
Dry Arc Resistance	ASTMD 485	Seconds	91
Volume Resistivity	ASTM D 257	Ohm-cm	10 ¹⁴
Thermal Conductivity	ASTM C 518	w/m°K	0.07

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