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SPECIFICATION SHEET

SILICONE SPONGE SHEET

SPECIFICATION	DETAIL	TEST
Density	16lbs per cubic ft	
Brittle Point	-80°C (-112°F)	ASTM D746
Limiting Oxygen Index	24%	BS 2872 PART 1
Thermal Conductivity	6.4 x 10(-2sq) W.m(-1)	BS 874 PART 2
Radiation Resistance	>10(5) GRAYS (10(7) RADS TYPICAL	
Toxicity (NES 713 ISS 3)	14 N/MM	
Smoke Index (NES 711)	46	
Burn Rate (BS4735)	0.03MM PER SECOND	
Thermal Value	0.0695 W (M.K)	

This product meets the flammability requirements of FAR 25/JAR 25/CS 25 appendix F, Part 1,(a)(1)(iv) and (a)(1)(v) horizontal flammability test and Automotive standard PART 571FMVSS302

The sponge is closed cell with low water absorption and dust ingress protection to IP65

The density range in white has been approved by the WRAS (water regulations advisory service) for use in contact with potable water at temperatures up to 85c (185f).the listing number is 0802502

Further information:

The thermal stability of silicone rubber is probably its most important asset. Components made from these rubbers are affected only to a small extent by extremes of temperature, ranging from -90°C to +250°C (depending on grade). Even at temperatures as high as +300°C silicone rubber will operate for limited periods.

Silicone rubber is an excellent electrical insulating material. Its resistance to arcing, corona, ultra violet light and ozone is good. It decomposes at 400°C to 500°C leaving an inert, non-flammable and electrically non-conductive residue.

The silicone sponge sheet supplied by TYM is made of a fine cellular construction composed mainly of non-interconnecting cells and is normally an off-white colour.

There are many applications for the sheeting but for continuous use it will withstand temperatures between -60°C and +200°C.