

SPECIFICATION SHEET

[SILICONE SPONGE SHEET]

| SPECIFICATION | DETAIL |
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| DENSITY | 16lbs per cubic ft |
| BRITTLE POINT | -80C (-112F) ASTM D746 |
| LIMITING OXYGEN INDEX | 24% BS 2872 PART 1 |
| THERMAL CONDUCTIVITY | 6.4 X 10(-2sq) W.m(-1) .K(-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) |

NB The above results relate only to the samples tested and therefore the information given here should be used as a guide only.

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. 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 THAT TYM IS SUPPLYING ARE MADE OF A FINE CELLULAR CONSTRUCTION COMPOSED MAINLY OF NON-INTERCONNECTING CELLS AND ARE NORMALLY OF AN OFF-WHITE COLOUR. THERE ARE MANY APPLICATIONS FOR THE SHEETING, BUT FOR CONTINUOUS USE THEY WILL STAND TEMPERATURES BETWEEN -60°C AND +200°C