



## MATERIAL SPECIFICATION SHEET : Silicone Foam SIL 16

### **TECHNICAL DATA SHEET SILICONE RUBBER SPONGE GRADES: SIL16**

#### **PRODUCT FORM**

Profile extrusions, sheeting, cord, joined rings, punched forms and self adhesive backed.

#### **APPLICATIONS**

Cellular silicone rubber is suitable where a soft, easily deformed rubber is required, for example, for high temperature seals and gaskets. The sheets and punched parts are all available with self-adhesive backing to ease assembly.

#### **THERMAL PROPERTIES**

The range is suitable for continuous use at temperatures up to +200°C. It has even been found that at temperatures as high as +300°C useful lives of up to 10 hours can be achieved. They are also suitable for use at temperatures as low as -60°C.

#### **CHEMICAL COMPOSITION**

This range of polydimethylsiloxane have been “free-blown” with a chemical blowing agent and crosslinked with an organic peroxide. The cellular structure is produced without the use of CFC’s thus making less damaging to the environment.

#### **FLAMMABILITY CHARACTERISTICS**

SIL16FR has a Limiting Oxygen Index (LOI) of 28%, the other products have an LOI of 23.2% (BS2782 Part 1) and comply with the following flammability specifications:

FAR 25.853 (a)(1)(iv) and (a)(1)(v) horizontal flammability tests.

CAA specification 8 issue 2 (2.2)(c) and (d) horizontal flammability tests.