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

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.