

Silicone Sponge

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GRADES: 10, 16, 24, 33

PRODUCT FORM

Profile extrusions, sheeting, cord, joined rings, punched forms and pressure sensitive adhesive backing.

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 pressure sensitive adhesive backing to ease assembly.

THERMAL PROPERTIES

The range is suitable for continuous use at temperatures up to +200°C. See our "HT" grades for use up to + 270°C. 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. C&W Seals Limited Unit 15, Orchard Business Park, North End Road, Yapton, West Sussex, BN18 0GA Company Registration No. 5181991

GENERAL INFORMATION

Meets the flammability requirements of FAR 25/JAR25/CS 25 Appendix F, Part 1(a)(1)(iv) and (a)(1)(v) Horizontal flammability test and Automotive Standard Part 571FMVSS302.

Closed Cell: Can be compressed to meet IP 65
Brittle Point: -80°C ASTM D746
Limited Oxygen: Index 24.0% BS 2782 Part 1
Thermal Conductivity: 6.4×10^{-2} W.m-1.K-1 BS 874 Part 2
Radiation Resistance: >105 Grays (107 Rads) typical

MOISTURE ABSORPTIONS

The range has a very low degree of moisture absorption. Mechanical properties shows little change even after long periods of immersion.

PIGMENTABILITY

The product range is available in off-white as standard. Other colours, such as red oxide, are available, we can colour match to most customer requirements.