



## SPECIFICATION SHEET

### Solid Silicone sheet

#### Solid Silicone Sheet - GP

**Grades** GP30 GP40 GP50 GP60 GP70 GP80

**Temperature Range** - 60°C (- 76°F) to 230°C (446°F) and up to 250°C (482°F) intermittent

#### Specifications

Our colour range has been tested to and is in accordance with the American Food and Drugs Administration (FDA) 21 CFR 177-2600, BFR XV Empfehlung and colour bleed test according to BFR Empfehlung part B 11 & Directive EC 1935/2004.

Translucent, Blue, White, Red and Black have been approved by WRAS (Water Regulations Advisory Service) for use with potable water at temperatures up to 85°C (185°F). The listing number is 1310541.

These products meet the flammability requirements of FAR 25/JAR 25/CS 25 Appendix F, part 1, (a)(1)(iv) and (a)(1)(v) horizontal flammability tests and Automotive Standard PART 571FMVSS302.

#### Environment Resistance

Silicone rubber products have an excellent resistance to ozone, oxidation, ultraviolet light, corona discharge, cosmic radiation, ionising radiation and weathering in general.

#### Availability

Supplied in continuous roll lengths

Widths of 1200mm (standard), 1500mm and 1800mm.

Pressure sensitive adhesive backing.

Punched and water Jet gaskets.

Full range of standard colours.

Capability to colour match.

#### General Characteristics

Test Result Standard

Brittle point -80°C (-112°F) ASTM D746

Limiting Oxygen Index 24.0% BS 2782 Part 1

Thermal Conductivity 0.24 W.m-1.K-1 VDE 0304

Radiation Resistance >105 Grays (107 Rads) typical

Dielectric Strength 23 kV.mm-1 VDE 0303

Dielectric Constant 2.9 VDE 0303

Dissipation Factor 3x10-4 VDE 0303

Volume Resistivity 3x1015Ω.cm VDE 0303

**Typical Applications**

Automotive, Domestic & Commercial, Catering, Construction, Electronics, Energy, Food & Beverage, Heating and Ventilation (HVAC), Industrial, Lighting, Marine.

This

**QUALITY ASSURED PRODUCTS WITH FULL TRACEABILITY**

Care should be taken in selecting the most suitable quality for each application.

Advice is available but final responsibility remains with the customer.