TECHNICAL DATA SHEET

Queensland Gaskets

SILICONE RUBBER SOLID SHEET | METAL DETECTABLE

This material has been tested to and is in compliance with the American Food and Drugs Administration (FDA) 21 CFR 177-2600 & Directive EU 1935/2004.

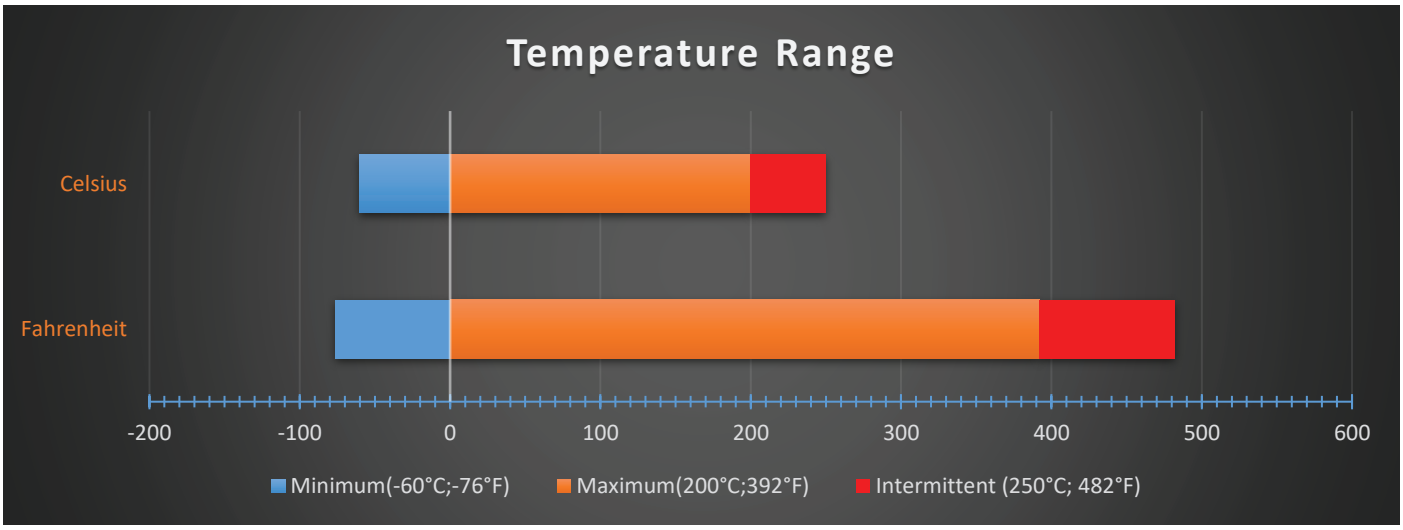
These Products meet the flammability requirements of FAR 25/JAR 25/CS 25 Appendix F, Part 1, (a)(1)(iv) and (a)(1)(v) horizontal flammability tests and Automotive Standard PART 571MVSS302.

GRADES

-60° Shore A, 1.2m wide in a full range of thicknesses in standard grade and extra power and extra strength available on request.

TYPICAL APPLICATIONS

- Commercial Catering
- Food & Beverage



ENVIRONMENTAL RESISTANCE

Silicone rubber products have an excellent resistance to:

- Ozone
- Oxidation
- Ultraviolet light
- Corona discharge
- Cosmic radiation
- Ionising radiation
- Weathering in general

AVAILABILITY

- Colour: Dark Blue
- Supplied in continuous roll lengths
- Widths of 1200mm (standard)
- Pressure sensitive adhesive backing
- Punched and Water jet gaskets
- Fabricated seals and gaskets

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	$>10^5$ Grays (10^7 Rads) typical	
Dielectric Strength	23 $kV.mm^{-1}$	VDE 0303
Dielectric Constant	2.9	VDE 0303
Dissipation Factor	$3x10^{-4}$	VDE 0303
Volume Resistivity	$3x10^{15}\Omega.cm$	VDE 0303

MECHANICAL PROPERTIES

		Standard	Extra Power	Extra Strength	
Property	Units	Typical Value	Typical Value	Typical Value	Test Method
Hardness	Shore A	63	63	61	ASTM D2240 DIN ISO 7619-1
Tensile Strength	MPa (PSI)	8.0 (1160)	8.5 (1235)	7.5 (1090)	ISO 37 type 1 ASTM D412 die C DIN 53504 type S1
Elongation to failure	%	370	290	290	ISO 37 type 1 ASTM D412 die C DIN 53504 type S1
Tear Strength	N/mm (lb./in.)	21 (120)	22 (125)	21 (120)	ASTM D624 die B
Compression Set 24 Hrs @ 150°C	%	11	14	13	BS 903 pt A6 type B DIN/ISO 815 type B
Compression Set 22 Hrs @ 300°C	%	11	14	13	ASTM D395 method B type 2
Magnetic Pull	mm	7.3	8.3	11.3	SEWI 700

Contact us to discuss requirements and place your order 07 3277 3922

All information and data quoted has been provided by our suppliers and is based upon years of experience in the production and operation of sealing elements. This data may not be used to support any warranty claims. With its publication this latest edition supersedes all previous issues and is subject to change without further notice.