TECHNICAL DATA SHEET

Queensland Gaskets

SOLID SILICONE SHEET | THT HIGH TEMPERATURE SHEETING

Grades GP40THT GP50THT GP60THT GP70THT

Temperature Range 60°C (- 76°F) to 300°C (572°F) and up to 315°C (599°F) intermittent short term

Specifications

Our colour range contains only ingredients approved and listed within the American Food and Drugs Administration (FDA) 21 CFR 177-2600.

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 1000mm (standard)
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	$>10^5$ 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

Typical Applications

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

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.