

Grades

- GP200, GP250, GP350, GP400, GP450, GP530

Temperature Range

- -60°C (-76°F) to 230°C (446°F)
And up to 250°C (482°F) intermittent

Specifications

- 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.
- The sponge is closed cell with low absorption and dust ingress protection to IP65.
- The density range in white has been approved by WRAS (Water Regulations Advisory Service) for use in contact with potable water at temperatures up to 85°C (185°F). This listing number is 1304521.

General Characteristics

Brittle Point	-80°C (112°F)	ASTM D746
Limiting Oxygen index	24.0%	BS 2782 Part 1
Thermal Conductivity	$6.4 \times 10^{-2} \text{ W.m}^{-1}.\text{K}^{-1}$	BS 874 Part 2
Radiation Resistance	>10 ⁵ Grays (10 ⁷ Rads) typical	

Environmental Resistance

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

Availability

- Sheetting supplied in rolls or individual sheets of 1 meter x 2 meters
- Widths up to 1000mm
- Pressure sensitive adhesive backing
- Punched and Water Jet gaskets
- Full range of standard colours
- Capability to colour match

Typical Applications

- Automotive, Electronics, Energy, Construction, Heating & Ventilation (HVAC), Industrial, Insulations, Lighting and Marine

Physical

PROPERTY	UNITS	CBF200	CBF250	CBF350	CBF400	CBF450	CBF530	TEST METHOD
Density	kg/m ³ lb.ft ⁻³	195 12.2	256 16.0	320 20.0	400 25.0	460 28.7	550 34.3	BSENISO 845 ASTM D3574
Hardness	Shore 00 Shore A	35 ±5 <5	42 ±5 5	55 ±5 15	65 ±5 17	70 ±5 24	80 ±5 30	ASTM D2240
Compression Stress 40% strain	kPa	50	90	120	165	230	470	BSENISO 3386 part 1, 2
Compression Stress 25% strain	psi	4.6	6.4	8.3	9.0	17.4	34.8	ASTM D1056
Tensile Strength	MPa psi	0.6 87	0.6 87	0.75 108	0.75 108	1.5 217	2.0 290	BSENISO 1798 ASTM D412
Elongation to failure	%	140	145	120	120	130	130	BSENISO 1798 ASTM D412
Compression Set 50% compression 24hrs recovery 22hrs @ 70°C (158°F)	%	15.0	12.0	12.0	10.0	10.0	9.5	BSENISO 1856
22hrs @ 100°C (212°F)	%	18.0	14.5	14.0	12.0	12.5	12.0	ASTM D1056
Water absorption	<5%	<5	<5	<5	<5	<5	2	ASTM D1056

The information given above is based upon average values and is no way intended as a warranty. The purchaser is deemed responsible for determining the suitability of the product for any particular application. All data relating to suitable uses and descriptions information concerning our products are compiled from research and are believed to be reliable, but are provided for guidance purposes only. The company holds no legal or contractual responsibility for information supplied.