

**Grade:** CBF-GP250 (250kg/m<sup>3</sup>)

**Availability:**

- Cord, section, strip and profiles
- Pressure sensitive adhesive backing
- Joined rings and gaskets
- Full range of standard colours
- Capability to colour match

**Temperature Ranges:**

- -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) (I) (iv) and (a) (I) (v) horizontal flammability test and Automotive Standard PART 571FMVSS302.
- The sponge is closed cell with low water absorption and dust ingress protection to IP65.
- The density range in white has been approved by the WRAS (Water Regulations Advisory Service) for use in contact with potable water at temperatures up to 85°C (185°F). The listing number is 1304521.

**General Characteristics:**

<b>Brittle Point</b>	-80°C (112°F)	ASTM D746
<b>Limiting Oxygen index</b>	24.0%	BS 2872 Part 1
<b>Thermal Conductivity</b>	$6.4 \times 10^{-2} \text{ W.m}^{-1} \text{ K}^{-1}$	BS874 Part 2
<b>Radiation Resistance</b>	>10 <sup>5</sup> Grays (10 <sup>7</sup> 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.

**Typical Applications:**

- Automotive, Electronics, Energy, Construction, Heating and Ventilation, HVAC, Industrial, Insulations, Lighting and Marine.

PROPERTY		SPECIFICATION LIMITS	TYPICAL VALUE	TEST METHOD
Density	kg.m <sup>3</sup> lb.ft <sup>3</sup>	250 +/- 40 15.6 +/- 2.5	256 16.0	BSENISO 845
Hardness	Shore 00 Shore A	-	42 +/- 5 5 +/- 2	ASTM D2240
Compression Stress 40 % Strain	kPa psi	90 +/- 40 13 +/- 5.8	90 13	BSENISO 3386 Part 1,2
Tensile Strength	MPa psi	0.5 min 72	0.6 87	BSENISO 1798
Elongation to failure %		100 min	145%	BSENISO 1798
Compression Set 50 % compression 24 hours recovery				BSENISO 1856
22 hours @ 70°C (158°F)	%	15% max	12.0	
22 hours @ 100°C (212°F)	%	15% max	14.5	

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.