

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 compliance 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). This 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.

General Characteristics

Brittle Point	-80°C (112°F)	ASTM D746
Limiting Oxygen index	24.0%	BS 2782 Part 1
Thermal Conductivity	0.24W.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 Factors	3x10 ⁻⁴	VDE 0303
Volume Resistivity	3x10 ¹⁵ Ω.cm	VDE 0303

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

- 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

Typical Applications

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

Physical

PROPERTY	UNITS	CBF30	CBF40	CBF50	CBF60	CBF70	CBF80	TEST METHOD
Hardness Shore A	Shore A ±5	30±5	40±5	50±5	60±5	70±5	80±5	ASTM D2240 DIN ISO 7619-1
Tensile Strength	MPa (psi)	8.0 (1150)	9.0 (1300)	9.0 (1300)	10.0 (1450)	10.0 (1450)	7.0 (1015)	ISO 37 type 1 ASTM D412 die C DIN 53504 type S1
Elongation to failure	%	500	625	450	400	320	215	ISO 37 type 1 ASTM D412 die C DIN 53504 type S1
Tear Strength	N/mm (Lb./in.)	16.0 (91)	23.0 (130)	18.0 (100)	22.0 (125)	20.0 (115)	17.0 (88.5)	ASTM D624 die B
Compression Set 24hrs / 150°C	%	23	25	15	13	9	18	BS903 pt A6 type B DIN/ISO 815 type B
Compression Set 22hrs / 300°F	%	20	22	16	10	10	16	ASTM D395 method B type 2

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.