

Grades

- GP30, GP40, GP50, GP60, GP70, GP80

Benefits



Temperature range

-60°C to 230°C
(-76°F to 446°F)



Environmental resistance

Ozone, UV and
weather resistant



Flame retardant

UL94HB
FAR 25/JAR 25



Long life service

vs
other elastomers

Accreditations



Food & Drug
Administration



German Regulation for
Food Contact Materials



EU Regulation for Food
Contact Materials

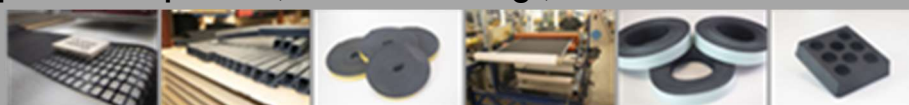
Other accreditations

- FAR 25/JAR25/CS 25 Appendix F Part 1, (a)(1)(iv) & (a)(1)(v) horizontal flammability tests & Automotive Standard Part 571FMVSS302

Availability

- Supplied in continuous roll lengths
- Widths of 1200mm (standard)
- Pressure sensitive adhesive backing
- Punched and Water Jet gaskets
- Full range of standard colours
- Colour match available

Convertors and suppliers of die cut gaskets, tape, sheeting, fabrications, machined plastic components, rubber mouldings, extrusions and adhesives.



General Purpose Solid Silicone Rubber

Typical Applications

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

Physical

PROPERTY	UNITS	GP30	GP40	GP50	GP60	GP70	GP80	TEST METHOD
Hardness Shore A	Shore A ±5	30±5	40±5	50±5	60±5	70±5	80±5	ISO 48-4
Tensile Strength	MPa (psi)	8.0 (1160)	9.0 (1305)	9.0 (1305)	10.0 (1450)	10.0 (1450)	8.0 (1160)	ISO 37 type 2
Elongation to failure	%	550	525	450	400	320	300	ISO 37 type 2
Tear Strength	N/mm (Lb./in.)	16.0 (91)	23.0 (130)	20.0 (114)	22.0 (125)	20.0 (115)	20.0 (114)	ASTM D624 die B
Compression Set 24hrs / 150°C	%	23	25	15	13	9	18	DIN/ISO 815 type B
Compression Set 22hrs / 300°F	%	20	22	16	10	10	16	ASTM D395 method B type 2

General Characteristics

Test	Typical Value						Standard
Brittle Point	-80°C (112°F)	-80°C (112°F)	-80°C (112°F)	-80°C (112°F)	-80°C (112°F)	-80°C (112°F)	ASTM D746
Limiting Oxygen Index	24%	24%	24%	24%	24%	24%	BS 2782 Part 1
Thermal Conductivity	0.24 W.m- 1.K-1	0.24 W.m- 1.K-1	0.24 W.m- 1.K-1	0.24 W.m- 1.K-1	0.24 W.m- 1.K-1	0.24 W.m- 1.K-1	VDE 0304
Radiation Resistance	>10 ₅ Grays (10 ₇ Rads) typical	>10 ₅ Grays (10 ₇ Rads) typical	>10 ₅ Grays (10 ₇ Rads) typical	>10 ₅ Grays (10 ₇ Rads) typical	>10 ₅ Grays (10 ₇ Rads) typical	>10 ₅ Grays (10 ₇ Rads) typical	

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.

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