



E-mail: sales@amsilicones.co.uk

Web Page: www.SiliconeRubberExtrusions.co.uk

GRADE:
GP40 to GP80
General Purpose 40 – 80° Shore Hardness

Applications: These general purpose grades of Silicone Rubber have excellent physical properties . They are suitable for complex extruded profiles and mouldings. Uses include Tubing and Seals for the food and pharmaceutical industries as they have F.D.A and W.R.C approval.*
These Rubbers can be supplied pigmented or transparent.
Temperature range -65°C to 200°C.

M: Moulding

E: Extrusion

Process			E	M	E	M	E	M	E	M	E	M
Grades			GP 40		GP50		GP60		GP70		GP80	
Specific Gravity	DIN 53 479A	g/cm ³ ± 0.02	1.12		1.15		1.14		1.16		1.19	
Hardness	DIN 53 505	Shore A ± 5	40	40	50	50	60	60	70	70	80	80
Tensile Strength	DIN53504-S1	N/mm ²	9.3	9.5	10.4	10.6	10.4	10.8	10.7	10.9	9.6	9.0
Elongation	DIN53504-S1	%	570	750	500	660	470	560	440	520	350	300
Tear Resistance	ASTM D 624 B	N/mm	16	18	21	23	21	24	22	25	21	21
Impact Resistance	DIN 53 512	%	57	52	54	50	58	60	56	56	54	55
Compression Set	DIN 53517 22 h/175° C	%	35	18	35	19	35	18	35	16	40	16

* USP CLASS VI Approved

* FDA § 177.2600. & BfR XV Silicones regulations.

* WRAS – BS6920

Flammability Information: If tested, GPxx would fulfil the requirements as laid down by UL standard 94HB

Figures given above are for guidance only and should not be used in preparing specifications.

E & O.E.

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