

	Hardness IRHD	Tensile Mpa N/mm	Tear Strength N/mm	Elongation (%)	Compression Set (%)	Brittle Point °C	Max Work Temp °C
SP100/55	55	9.1	25	550	41	-60	200
SP200/55	55	9.7	35	600	30	-60	250
SP200/70	70	8.3	35	500	30	-60	250
SP220/30	30	10.4	28	1000	20	-60	200
SP220/40	40	10.7	33	870	28	-60	200
SP220/50	50	11.5	39	790	28	-60	200
SP220/60	60	11.3	42	690	31	-60	200
SP220/70	70	10.2	41	660	49	-60	200
SP300/25	25	8.4	23	950	40	-60	200
SP300/30	30	10	17	820	20	-60	200
SP300/40	40	12	21	800	20	-60	200
SP300/50	50	12	24	680	25	-60	200
SP300/60	60	11	24	580	12	-60	200
SP300/70	70	10	24	500	20	-60	200
SP300/80	80	9	22	380	25	-60	200
SP300/90	90	7	19	320	35	-60	200
SP500-100/60	60	8.5	26	325	17	-60	225
SP700-1/65	65	6	17	200	N/A	-40	200
SP710-1/20	20	10	25	1000	22	-60	200
SP900-3/50	50	6.9	10.5	420	10	-75	300
SP720-1/50	50	8.3	18	420	25	-80	300
SP730-1/60	60	9.7	35	600	40	-100	200
SP750-1/70	70	10	24	580	12	-60	200
SP720-2/60	60	12	24	680	25	-60	250
SP600/50	50	10	35	500	25	-70	180
SP600/60	60	10	33	450	25	-70	180
SP600/70	70	10	35	500	25	-70	180
SP800/60	60	7.8	10	165	N/A	-60	350
SP800/70	70	9	15	270	N/A	-60	300
SP810/70	70	10	25	400	N/A	-60	350

### Applications

Electrical standard grades BS2848 Type 180T, BS 4G198, & IP66 for industrial equipment applications. High strength and temperature-resistant elastomers, used in areas where constant flexing and extreme temperatures of up to 300°C occur over long periods, for example, peristaltic pumps, vacuum bag and furnace door seals, thin walled tubing, and high performance engine applications.

From soft-touch to plastic-hard rubbers, these mid range silicones provide excellent sealing properties for feather edge seals, solid sections and press cut gaskets. These silicones are also available as translucent, Ral, and Pantone colours.

Special grades formulated for particular use in hostile chemical environments, involving oils, solvents, immersion in aircraft fuel etc. Electrically conductive RF for microwave shielding. Low outgassing materials for use in space or in hazardous radiation environments. Metal detectable grades used in food processing.

Platinum cured, high purity silicones with excellent translucency and a tough finish. For use in medical, pharmaceutical and food industries.

Flame retardant materials, with low smoke-toxicity to BS6853. Approved for use on London Underground and aircraft interiors.

Silicone Sponge Grade	Tensile Strength Mpa			Elongation at Break (%)			Compression Set (%)	Compression Loading N/mm <sup>2</sup>	Thermal Conductivity W/m.k/avg
	3mm	6.4mm	10mm	3mm	6.4mm	10mm			
SP400-16	1.58	1.03	0.64	200	180	145	15	0.049	0.0695
SP400-24	1.59	1.25	0.84	220	195	175	20	0.093	0.0695
SP400-33	2.5	2.25	1.66	245	235	205	8	0.233	0.0695

Closed cell extruded or moulded silicone modified sponge, good for eliminating vibration, providing thermal insulation, and for all-weather UV stable seals. Available in profiles, tubing and moulded sheets. Can be supplied with self-adhesive backing.