

CONDUCTIVE ELASTOMER SPECIFICATIONS: 110 SERIES

Series	Carbon 1000	Nickel Graphite 2000	Nickel Graphite 2000F	Silver Low D. 3000	Silver Nickel 4000	Silver Nickel 4000F	Silver Aluminum 5000	Silver Aluminum 5000F
Elastomer	Silicone	Silicone	Fluoro- silicone	Silicone	Silicone	Fluoro- silicone	Silicone	Fluoro- silicone
Color	Black	Dark Gray	Dark Gray	Tan	Tan	Tan	Blue*	Blue*
Specific Gravity, gm/cc	1.2	1.95	1.95	1.7	4.0	4.4	2.0	2.0
Durometer Shore A	70	30-70	65	45	75	70	65	70
Volume Resistivity, Ohm-cm	7.0	0.10	0.10	0.010	0.005	0.012	0.008	0.012
Operating Temperature: Min C	-55°	-55°	-55°	-55°	-55°	-55°	-55°	-55°
Operating Temperature: Max C	200°	150°	150°	160°	125°	160°	160°	160°
Compression Deflection % Min.	3.5	3.5	3.0	8.0	3.5	3.5	3.5	3.5
Tensile Strength, P.S.I.	650	150	150	150	200	180	200	180
Elongation % Min.	100%	100%	100%	50%	100%	60%	100%	60%
Elongation % Max.	-	-	-	250%	300%	260%	300%	260%
Compression Set %	40	35	25	35	32	30	32	30
Tear Strength lb./in.	40	40	35	20	30	35	30	35
Shielding Effectiveness (100 Mhz)	80	100	100	100	120	120	120	120
Shielding Effectiveness (500 Mhz)	80	100	100	100	120	120	120	120
Shielding Effectiveness (2 Ghz)	60	100	100	90	120	115	115	115
Shielding Effectiveness (10 Ghz)	50	100	100	90	110	110	115	115

Series	Silver Glass	Silver Glass	Silver Pure	Silver Pure	Silver Pure	Silver Copper	Silver Copper	Silver Copper	Silver Copper
	6000	6000F	7000	7000F	7000SS	8000	8000F	8000	8000
Elastomer	Silicone	Fluoro-silicone	Silicone	Fluoro-silicone	Silver Silicone	Silicone	Fluoro-silicone	Silicone	Silicone
Color	Tan	Tan	Tan	Tan	Tan	Tan	Tan	Tan	Tan
Specific Gravity, gm/cc	1.9	1.9	3.5	4.0	4.0	3.5	4.0	4.8	3.5
Durometer Shore A	65	65	65	75	80	65	75	80	85
Volume Resistivity, Ohm-cm	0.006	0.006	0.002	0.002	0.005	0.004	0.010	0.007	0.005
Operating Temperature: Min C	-55°	-55°	-55°	-65°	-55°	-55°	-55°	-45°	-45°
Operating Temperature: Max C	160°	160°	160°	160°	160°	125°	125°	125°	125°
Compression Deflection % Min.	3.5	3.5	2.5	3.5	2.5	3.5	3.5	2.5	2.5
Tensile Strength, P.S.I.	200	200	300	250	400	200	180	600	400
Elongation % Min.	100%	100%	200%	100%	90%	100%	100%	20%	100%
Elongation % Max.	300%	300%	500%	300%	290%	300%	300%	N/A	300%
Compression Set %	30	30	45	60	60	32	35	N/A	35
Tear Strength lb./in.	30	30	50	40	60	25	35	70	40
Shielding Effectiveness (100 Mhz)	100	100	120	120	120	120	120	120	120
Shielding Effectiveness (500 Mhz)	100	90	120	120	120	120	120	120	120
Shielding Effectiveness (2 Ghz)	90	90	120	120	120	120	120	120	120
Shielding Effectiveness (10 Ghz)	90	90	120	120	120	120	115	120	120