


MATERIAL DECLARATION SHEET



Material Number	3610S			
Product Line	Precision Potentiometer			
Compliance Date	n/a			
RoHS Compliant	No	MSL	1	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material\ Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Wheel #1	PBT	0.15	PBT	30965-26-5	64	0.446	0.700
				glass fiber	65997-17-3	18	0.125	
				antimony trioxide	1309-64-4	4	0.028	
				brominated FR (TBBPA polycarbonate polymer)		13	0.091	
				carbon black	1333-86-4	1	0.007	
2	Wheel #2	PBT	0.15	PBT	30965-26-5	64	0.446	0.700
				glass fiber	65997-17-3	18	0.125	
				antimony trioxide	1309-64-4	4	0.028	
				brominated FR (TBBPA polycarbonate polymer)		13	0.091	
				carbon black	1333-86-4	1	0.007	
3	Wheel #3	PBT	0.15	PBT	30965-26-5	64	0.446	0.700
				glass fiber	65997-17-3	18	0.125	
				antimony trioxide	1309-64-4	4	0.028	
				brominated FR (TBBPA polycarbonate polymer)		13	0.091	
				carbon black	1333-86-4	1	0.007	

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4	Pin Wheel Shaft	Stainless Steel	0.242	Carbon	7440-44-0	0.15	0.002	1.125
				Manganese	7439-96-5	2	0.022	
				Silicon	7740-21-3	1	0.011	
				Chromium	7740-47-3	18	0.202	
				Nickel	7440-02-0	9	0.101	
				Iron	7439-89-6	70	0.784	
				Sulfur	7446-09-5	.15	0.002	
5	Counter Body	Nylon	0.56	PA 66	32131-17-2	60	1.563	20605
				glass fiber	65997-17-3	30	0.781	
				carbon black	7440-44-0	2	0.052	
				Tetrafluoroethylene polymer	9002-84-0	8	0.208	
6	Gear Pinion	Nylon	0.0215	PA 66	32131-17-2	60	0.060	0.100
				glass fiber	65997-17-3	30	0.030	
				carbon black	7440-44-0	2	0.002	
				Tetrafluoroethylene polymer	9002-84-0	8	0.008	
7	Pin Shaft	Stainless Steel	0.036	Carbon	7440-44-0	0.15	0.0003	0.167
				Manganese	7439-96-5	2	0.003	
				Silicon	7740-21-3	1	0.002	
				Chromium	7740-47-3	18	0.030	
				Nickel	7440-02-0	9	0.015	
				Iron	7439-89-6	70	0.116	
				Sulfur	7446-09-5	0.15	0.0003	
8	Face Dial	PBT	1.3456	PBT	30965-26-5	54	3.379	6.259
				glass fiber	65997-17-3	30	1.877	
				antimony trioxide	1309-64-4	4	0.250	
				brominated FR (TBBPA polycarbonate polymer)		11	0.688	
				Carbon Black	1333-86-4	1	0.062	
9	Gear Face	PPE	1.6605	polyphenylene ether + polystyrene	25134-01-4 + 9003-53-6	99	7.646	7.723
				Carbon Black	1333-86-4	1	0.077	

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10	Lens	Polycarbonate	0.2635	Poly(bisphenol-A-carbonate)	111211-39-3	100	1.225	1.225
11	Spring Washer	Stainless Steel	0.175	Carbon	7440-44-0	0.15	0.001	0.814
				Manganese	7439-96-5	2	0.016	
				Silicon	7740-21-3	1	0.008	
				Chromium	7740-47-3	18	0.146	
				Nickel	7440-02-0	9	0.073	
				Iron	7439-89-6	69.85	0.568	
12	Bracket	Nylon	1.973	PA 66	32131-17-2	60	5.506	9.177
				glass fiber	65997-17-3	30	2.753	
				carbon black	7440-44-0	2	0.183	
				Tetrafluoroethylene polymer	9002-84-0	8	0.734	
13	Housing	Polycarbonate	1.588	Poly(bisphenol-A-carbonate)	111211-39-3	99	7.312	7.386
				Carbon Black	1333-86-4	1	0.074	
14	Collector Bar	Nickel Silver Alloy	0.4	Copper	7440-50-8	55	1.023	2.065
				Nickel	7440-02-0	18	0.335	
				Silver	7440-22-4	27	0.502	
		Plating	0.012	Gold	7440-57-5	100	0.056	0.056
15	Slider	Nylon	0.087	PA 66	32131-17-2	60	0.243	0.405
				glass fiber	65997-17-3	30	0.121	
				carbon black	7440-44-0	2	0.008	
				Tetrafluoroethylene polymer	9002-84-0	8	0.032	
16	Contact Spring	Paliney Alloy	0.015	Copper	7440-50-8	16	0.011	0.070
				Nickel	7440-02-0	1	0.0007	
				Palladium	7440-05-3	1	0.0007	
				Platinum	7440-06-4	44	0.031	
				Silver	7440-22-4	38	0.026	
17	Tab	Copper Alloy	0.136	Silver	7440-22-4	35	0.221	0.632
				Zinc	7440-66-6	21	0.132	
				Copper	7440-50-8	26	0.164	
				Cadmium	7440-43-9	18	0.113	

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18	Body	PBT	3.056	PBT	30965-26-5	55	7.818	14.214
				glass fiber	65997-17-3	30	4.264	
				antimony trioxide	1309-64-4	4	0.568	
				brominated FR (TBBPA polycarbonate polymer)		11	1.563	
19	Tab Pin	Nickel	0.144	Nickel	7440-02-0	100	0.670	0.670
		Plating	0.0008	Gold	7440-57-5	100	0.004	0.004
20	Tab Pin	Nickel	0.124	Nickel	7440-02-0	100	0.577	0.577
		Plating	0.0007	Gold	7440-57-5	100	0.003	0.003
21	Ring Collector	Nickel Alloy	0.402	Nickel	7440-02-0	99	1.841	1.870
				Magnesium	7439-98-5	0.05	0.0009	
				Titanium	7440-32-6	0.5	0.009	
				Copper	7440-50-8	0.15	0.003	
				Iron	7439-89-6	0.2	0.004	
				Carbon	7440-44-0	0.15	0.003	
				Silicon	7440-21-3	0.15	0.003	
				Sulfur	7704-34-9	0.0008	0.00001	
		Manganese	7439-98-5	0.35	0.006			
Plating	0.002	Gold	7440-57-5	100	0.009	0.009		
22	Pin Terminal	Nickel	0.081	Nickel	7440-02-0	100	0.377	0.377
		Plating	0.0005	Gold	7440-57-5	100	0.002	0.002
23	Cup	Nylon	4.455	Polyamide 66	32131-17-2	26	5.387	20.721
				Polyamide 66	25038-54-4	26	5.387	
				antimony trioxide	1309-64-4	10.7	2.217	
				carbon black	1333-86-4	0.3	0.062	
				glass fiber	65997-17-3	15	3.108	
				brominated flame retardant	88497-56-7	22	4.559	
24	Cover	Aluminum Alloy	1.216	Silicon	7440-21-3	0.7	0.039	5.656

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				Iron	7439-89-6	0.34	0.019	
				Copper	7440-50-8	0.34	0.019	
				Manganese	7439-96-3	0.09	0.005	
				Magnesium	7439-98-5	0.9	0.051	
				Chromium	7440-47-3	0.09	0.005	
				Zinc	7440-66-6	0.05	0.003	
				Titanium	7440-32-6	0.02	0.001	
				Aluminum	7429-90-5		5.513	
25	Mandrel Wire	Copper	2.252	Copper	7440-50-8	100	10.474	10.474
26	Resist Wire	Metal Alloy	0.5783	Nickel	7440-02-0	46	1.237	2.690
				Chromium	7440-47-3	0.1	0.003	
				Manganese	7439-96-5	0.8	0.021	
				Silicon	7440-21-3	0.3	0.008	
				Carbon	7440-44-0	0.05	0.001	
				Phosphorus	7723-14-0	0.025	0.0007	
				Sulfur	7704-34-9	0.025	0.0007	
				Iron	7439-98-7		1.417	
27	Varnish	Insulating Varnish	0.1996	Phenolic Resin	9039-25-2	100	0.928	0.928
28	Grease	Lube	0.02268	Dimethylpolysiloxane	63148-62-9	99.5	0.105	0.106
				Cyclosiloxanes	69430-24-6	0.5	0.0005	
		Total weight	21.5					

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Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.