

Material Composition for PS100 Slide Potentiometer

Sub-component	Material	% of Total Mass	Substance Name	CAS #	Substance Mass (mg)	Special Classification
Terminal	SPCC	0.001%	C	7440-44-0	0.2	N/A
		0.001%	Mn	7439-96-5	0.2	
		0.000%	P	7723-14-0	0.0	
		0.000%	S	7704-34-9	0.0	
		0.002%	Si	7440-21-3	0.3	
		0.000%	Al	7429-90-5	0.0	
		0.526%	Fe	7439-89-6	104.5	
	Tin And Pure atomize	0.010%	Sn	7440-31-5	2.0	
Slider	C5210 Copper	0.211%	Cu	7440-50-8	42.0	
		0.018%	Sn	7440-31-5	3.7	
		0.000%	Zn	7440-66-6	0.1	
		0.000%	Fe	7439-89-6	0.0	
		0.000%	P	7723-14-0	0.0	
	Silver Plating	0.005%	Ag	7440-22-4	1.0	
Element	Prepreg (Fiber Grass bo	8.611%	Fiber Glass Wool	65997-17-3	1,710.7	
		7.829%	EPOXY RESIN	26265-08-7	1,555.2	
		3.131%	Cu	7440-50-8	622.1	
	Carbon Plasm	0.069%	Methanol	67-56-1	13.8	
		0.324%	Carbom Black	1333-86-4	64.4	
		0.019%	Talc	14807-96-6	3.7	
		0.014%	Polymer with xylene 8 phend	29601-89-0	2.8	
		0.014%	Moncbutyi Ether	112-34-5	2.8	
		0.023%	Silver	7440-22-4	4.6	
	Silver Plasm	0.088%	Phenolic resin	9039-25-2	17.6	
		0.227%	Silver	7440-22-4	45.0	
		0.002%	Glass powder	65997-17-3	0.5	
		0.023%	Graphite	7782-42-5	4.5	
		0.023%	Molybdeum disulfide	1317-33-5	4.5	
		0.091%	Diethylene glycol monveihyl ether	111-90-0	18.0	
	Green Ink	0.145%	Epoxy Resin	25085-99-8	28.9	
		0.002%	Pigment(yellow)	31837-42-0	0.3	
		0.131%	Barium Sulfate	7727-43-7	26.0	
		0.012%	Naphtha	8030-30-6	2.3	
		0.001%	Pigment(blue)	147-14-8	0.2	
	White Oil	0.073%	Epoxy Resin	25085-99-8	14.4	
		0.022%	Barium Sulfate Talc	7727-43-7	4.3	
		0.044%	Titanium sulfate	13463-67-7	8.7	
		0.007%	Diethylene Glycol Monoethyl Ether Ace	112-15-2	1.4	
Slider Base	A5052 Al	0.420%	Si	7440-21-3	83.5	
		0.055%	Mn	7439-96-5	10.9	
		0.787%	Mg	7439-95-4	156.4	
		17.664%	Al	7429-90-5	3,509.1	
	POM	2.906%	ACETAL POLYMER	002-81-7	577.2	
		0.059%	STABILIZER	70624-18-9	11.8	
Case	SUS304	16.133%	Fe	7439-89-6	3,205.0	
		0.016%	C	7440-44-0	3.1	
		0.095%	Si	7440-21-3	18.8	
		1.899%	Ni	7440-02-0	377.3	
		0.277%	Mn	7439-96-5	55.0	
		0.007%	P	7723-14-0	1.3	
		0.000%	S	7704-34-9	-	
		4.075%	Cr	7440-47-3	809.5	
Al Handler	A5052 Al	0.072%	Si	7440-21-3	14.3	
		0.009%	Mn	7439-96-5	1.9	
		0.135%	Mg	7439-95-4	26.9	
		3.033%	Al	7429-90-5	602.5	
Frame	Tinplate	0.061%	Carbon	7440-44-0	12.2	
		0.061%	Mn	7439-96-5	12.2	
		0.012%	Phosphorus	7723-14-0	2.4	
		0.012%	Sulfur	7704-34-9	2.4	
		0.092%	Silicon	7440-21-3	18.3	
		0.012%	Aluminium	7429-90-5	2.4	
		30.377%	Iron	7439-89-6	6,034.6	
	Anti-Rust Oil	0.014%	Calcium petroleum sulfonate	61789-86-4	2.9	
		0.001%	Antioxidants	2082-79-3	0.1	
Grease	Base oil+Addition	0.009%	Polyisobutylene	9003-27-4	1.8	
		0.005%	PAO	68037-01-4	1.1	
		0.001%	Fumed Sitica	68611-44-9	0.2	

Total mass	19,865.8 mg
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