

Material Composition for PSxxM Slide Potentiometer

Sub-component	Material	% of Total Mass	Substance Name	CAS #	Substance Mass (mg)	Special Classification		
Terminal	SPCC	0.002%	C	7440-44-0	0.11			
		0.002%	Mn	7439-96-5	0.11			
		0.000%	P	7723-14-0	0.02			
		0.000%	S	7704-34-9	0.02			
		0.004%	Si	7440-21-3	0.16			
		0.000%	Al	7429-90-5	0.02			
		1.184%	Fe	7439-89-6	53.95			
		0.044%	Tin And Pure atomiz Sn	7440-31-5	2.00			
Slider	C5210 Copper	0.807%	Cu	7440-50-8	36.78			
		0.070%	Sn	7440-31-5	3.21			
		0.002%	Zn	7440-66-6	0.08			
		0.000%	Fe	7439-89-6	0.02			
		0.000%	P	7723-14-0	0.02			
		0.022%	Silver Plating Ag	7440-22-4	1.00			
Element	Phenolic Laminate	3.662%	Pulp cellulose	65996-61-4	166.86			
		4.476%	Phenol formaldehyde resin	9003-35-4	203.94			
	Carbon Plasm	0.053%	Methanol	67-56-1	2.42			
		0.247%	Carbom Black	1333-86-4	11.27			
		0.014%	Talc	14807-96-6	0.64			
		0.011%	Polymer with xylene 8 phend	29601-89-0	0.48			
	Silver Plasm	0.011%	Moncbutyl Ether	112-34-5	0.48			
		0.018%	Silver	7440-22-4	0.81			
		0.069%	Phenolic resin	9039-25-2	3.14			
		0.177%	Silver	7440-22-4	8.05			
		0.002%	Glass powder	65997-17-3	0.08			
		0.018%	Graphite	7782-42-5	0.81			
		0.018%	Molybdeum disulfide	1317-33-5	0.81			
		0.071%	Diethylene glycol monveihyl ether	111-90-0	3.22			
Slide board	PTFE	0.487%	PTFE	9002-84-0	22.20			
Spacer plate	C5210 Copper	1.610%	Cu	7440-50-8	73.37			
		0.140%	Sn	7440-31-5	6.40			
		0.004%	Zn	7440-66-6	0.16			
		0.001%	Fe	7439-89-6	0.03			
		0.001%	P	7723-14-0	0.04			
Base	PBT	9.488%	PBT	26062-94-2	432.35			
		1.807%	Glass fibers	65997-17-3	82.35			
Slide Base	POM	8.594%	ACETAL POLYMER	002-81-7	391.61			
		0.175%	STABILIZER	70624-18-9	7.99			
Spring	SUS304	0.447%	Fe	7439-89-6	20.36			
		0.000%	C	7440-44-0	0.02			
		0.003%	Si	7440-21-3	0.12			
		0.053%	Ni	7440-02-0	2.40			
		0.008%	Mn	7439-96-5	0.35			
		0.000%	P	7723-14-0	0.01			
		0.000%	S	7704-34-9	0.00			
		0.113%	Cr	7440-47-3	5.14			
		Steel-ball	SWC	1.561%	Fe	7439-89-6	71.15	
0.219%	C			7440-44-0	9.99			
0.037%	Mn			7439-96-5	1.67			
0.001%	S			7704-34-9	0.03			
0.001%	P			7723-14-0	0.03			
0.018%	Si			7440-21-3	0.84			
lamp	LED Frame			1.267%	Ga	7440-55-3	57.72	
				0.877%	As	7440-38-2	39.96	
		0.292%	P	16050-72-9	13.32			
		0.487%	N	126345-51-5	22.20			
	EPOXY RESIN	6.801%	EPOXY RESIN	26265-08-7	309.91			
		0.010%	Golden silk	secret	0.44			
		0.006%	GaAs	1303-00-0	0.27			
		0.004%	GaN	25617-97-4	0.18			
Frame	Tinplate	0.109%	Carbon	7440-44-0	4.96			
		0.109%	Mn	7439-96-5	4.96			
		0.022%	Phosphorus	7723-14-0	0.99			
		0.022%	Sulfur	7704-34-9	0.99			
		0.163%	Silicon	7440-21-3	7.43			
		0.022%	Aluminium	7429-90-5	0.99			
		53.928%	Iron	7439-89-6	2,457.38			
		0.042%	Calcium petroleum sulfonate	61789-86-4	1.92			
	0.002%	Antioxidants	2082-79-3	0.08				
	Grease	Base oil+Addition	0.053%	Polysisobutylene	9003-27-4	2.40		
			0.031%	PAO	68037-01-4	1.40		
0.004%			Fumed Sitica	68611-44-9	0.20			

Total mass	4,556.8 mg
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