

Material Composition for P231 Panel Potentiometer

Sub-component	Material	% of Total Mass	Substance Name	CAS #	Substance Mass (mg)	Special Classification		
Terminal	SPCC	0.014%	C	7440-44-0	1.66	N/A		
		0.014%	Mn	7439-96-5	1.66			
		0.003%	P	7723-14-0	0.33			
		0.003%	S	7704-34-9	0.33			
		0.020%	Si	7440-21-3	2.49			
		0.003%	Al	7429-90-5	0.36			
		6.738%	Fe	7439-89-6	822.17			
	Tin And Pure atomiz	0.016%	Sn	7440-31-5	2.00			
Slider	C5210 Copper	2.203%	Cu	7440-50-8	268.80			
		0.001%	Fe	7439-89-6	0.12			
		0.192%	Sn	7440-31-5	23.45			
		0.005%	Zn	7440-66-6	0.59			
		0.001%	P	7723-14-0	0.15			
	Silver plating	0.008%	Ag	506-64-9	1.00			
Shaft	A2011 Aluminum	0.150%	Fe	7439-89-6	18.27			
		0.086%	Si	7440-21-3	10.44			
		1.070%	Cu	7440-50-8	130.50			
		0.011%	Mn	7439-96-5	1.31			
		0.107%	Mg	7439-95-4	13.05			
		19.861%	Al	7429-90-5	2,423.45			
		0.043%	Bi	7440-69-9	5.22			
		0.064%	Zn	7440-66-6	7.83			
Element	Phenolic Laminate	3.509%	B.K.P	65996-61-4	428.23			
		4.289%	Phenolic Resin	9003-35-4	523.39			
	Carbon Plasm	0.051%	Methanol	67-56-1	6.27			
		0.240%	Carbon Black	1333-86-4	29.28			
		0.014%	Talc	14807-96-6	1.67			
		0.010%	Polymer with xylene 8 phend	29601-89-0	1.25			
		0.010%	Moncbutyi Ether	112-34-5	1.25			
		0.017%	Silver	7440-22-4	2.09			
	Silver Plasm	0.067%	Phenolic resin	9039-25-2	8.15			
		0.171%	Silver	7440-22-4	20.90			
		0.002%	Glass powder	65997-17-3	0.21			
		0.017%	Graphite	7782-42-5	2.09			
		0.017%	Molybdeum disulfide	1317-33-5	2.09			
		0.069%	Diethylene glycol monveihyl ether	111-90-0	8.36			
	White Oil	0.043%	Epoxy Resin	25085-99-8	5.23			
		0.013%	Barium Sulfate Talc	7727-43-7	1.57			
		0.026%	Titanium sulfate	13463-67-7	3.14			
0.004%		Diethylene Glycol Monoethyl Ether Ace	112-15-2	0.52				
STOP PLATE	POM	3.636%	ACETAL POLYMER	002-81-7	443.65			
		0.074%	STABILIZER	70624-18-9	9.05			
Case	SPCC	0.038%	C	7440-44-0	4.63			
		0.038%	Mn	7439-96-5	4.63			
		0.008%	P	7723-14-0	0.93			
		0.008%	S	7704-34-9	0.93			
		0.057%	Si	7440-21-3	6.95			
		0.008%	Al	7429-90-5	1.02			
		18.827%	Fe	7439-89-6	2,297.31			
			Luster Tin Plating	0.016%	Sn	7440-31-5	2.00	
		Shaft Set	ALLOY	1.073%	Al	7429-90-5	130.96	
0.134%	Cu			7440-50-8	16.37			
0.013%	Mg			7439-95-4	1.64			
0.003%	Fe			7439-89-6	0.33			
0.003%	Sn			7440-31-5	0.33			
25.604%	Zn			7440-66-6	3,124.26			
NUT	Fe+Nickel	9.104%	Fe	7439-89-6	1,110.92			
		0.186%	Ni	7440-02-0	22.67			
Washer	SPCC	0.004%	C	7440-44-0	0.48			
		0.004%	Mn	7439-96-5	0.48			
		0.001%	P	7723-14-0	0.10			
		0.001%	S	7704-34-9	0.10			
		0.006%	Si	7440-21-3	0.72			
		0.001%	Al	7429-90-5	0.10			
		1.938%	Fe	7439-89-6	236.44			
			Luster Tin Plating	0.016%	Sn	7440-31-5	2.00	
Shaft Oil	Base oil+Addition	0.012%	Polyisobutylene	9003-27-4	1.44			
		0.007%	PAO	68037-01-4	0.84			
		0.001%	Fumed Silica	68611-44-9	0.12			

Total mass	12,202.2 mg
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