

Material Composition for 404 Potentiometer

Sub-component	Material	% of Total Mass	Substance Name	CAS #	Substance Mass (grams)	Special Classification		
Housing	PBT plastic blend	35.93%	PBT	26062-94-2	1.0673			
			fiberglass	65997-17-3	0.4926			
			SbO3	1309-64-4	0.0821	antimony fire retardant		
	Epoxy, on heat stakes	0.08%	diglycidyl ether bisphenol-A	1675-54-3	0.0021	contains BPA		
			silicon dioxide	7631-86-9	0.0012			
			C	7440-44-0	1.96E-04			
			TiO2	13463-67-7	2.62E-05			
	Epoxy, securing element	0.03%	epoxy resin, epichlorohydrin / bisphenol A	25068-38-6	0.0003	contains BPA		
			calcium carbonate	471-34-1	0.0003			
			bisphenol A	80-05-7	0.0000	BPA		
			diethylene triamine	111-40-0	0.0001			
			epichlorohydrin	106-89-8	0.0000			
Fe3O4			1317-61-9	0.0001				
SiO2, amorphous			7631-86-9	0.0000				
trimethylolethane triglycidyl	30499-70-8	0.0003						
Slider block	PPA plastic blend	14.74%	PPA plastic	27135-32-6	0.3368			
			PTFE	9002-84-0	0.1078			
			fiberglass	65997-17-3	0.2155			
			trade secret	n/a	0.0135	non-hazardous		
Rear lid	PBT plastic blend	10.88%	PBT	27135-32-6	0.3233			
			fiberglass	65997-17-3	1.49E-01			
			SbO3	1309-64-4	2.49E-02			
Contact	Pd alloy	0.18%	Pd	7440-05-3	3.56E-03			
			Ag	7440-22-4	3.08E-03			
			Pt	7440-06-4	0.0001			
			Cu	7440-50-8	0.0013			
			Ni	7440-02-0	0.0001			
Terminal	OFHC copper	4.68%	Cu	7440-50-8	0.2137			
	matte Sn plating	0.04%	Sn	7440-31-5	0.0020			
	Solder, SnAg	0.14%	Sn	7440-31-5	0.0062			
			Ag	7440-22-4	0.0003			
Element	alumina	28.38%	Al2O3	1344-28-1	1.2450			
			CaO	1305-78-8	0.0065			
			FeO2	1345-25-1	0.0065			
			MgO	1309-48-4	0.0065			
			MnO2	1313-13-9	0.0130			
			SiO2	7631-86-9	0.0130			
			TiO2	13463-67-7	0.0065			
			backside marking	0.44%	DAIP resin	1087-21-4	0.0179	
					carbon black	1333-86-4	0.0010	
			conductor, AgPd	0.30%	SiO2	7631-86-9	0.0014	
	Ag	7440-22-4			0.0088			
	BiO3	1304-76-3			0.0005	bismuth compound		
	NiO	1313-99-1			0.0002			
	Pd	7440-05-3			0.0029			
	resistor, conductive plastic	0.15%	trade secret	n/a	0.0012	non-hazardous		
			DAIP resin	1087-21-4	0.0041			
			C	7440-44-0	0.0022			
			3-(trimethoxysilyl) propyl methacrylate	2530-85-0	0.0001			
			SiO2	7631-86-9	0.0000			
			t-butyl peroxybenzoate	614-45-9	0.0001			
trade secret	n/a	0.0002	non-hazardous					
Spring	Fe alloy	3.98%	Fe	7439-89-6	0.1797			
			C	7440-44-0	0.0015			
			Mn	7439-96-5	0.0007			
	zinc plating	0.06%	Zn	7440-66-6	0.0029			
Total Mass					4.570	grams		