

Material Composition for 3381 STD Potentiometer

Sub-component	Material	% of Total Mass	Substance Name	CAS #	Substance Mass (mg)	Special Classification	
Housing	PBT plastic blend	24.557%	PBT	26062-94-2	4.213950		
			Fiberglass	65997-17-3	1.944900		
			Antimony oxide	1309-64-4	0.324150	antimony fire retardant	
	Brass	16.773%	Cu	7440-50-8	2.723000		
			Zn	7440-66-6	1.563000		
			Pb	7439-92-1	0.142000	E.U. RoHS exemption 6(c)	
			trade secret	n/a	0.000300	non-hazardous	
	Lubricant	0.001%	trade secret	n/a	0.000102		
	Marking Ink	0.001%	C	7440-44-0	0.000005		
			cobalt napthenate	61789-51-3	0.000005		
			cobalt neodecanonate	27253-31-2	0.000005		
			Hexahydro-1, -3 isobenzofura	85-42-7	0.000026		
trade secret			n/a	0.000163	non-hazardous		
Ni plating	0.015%	Ni	7440-02-0	0.004000			
Rotor	PA 66 plastic blend	6.818%	Polyhexamethylene adipamide	32131-17-2	1.170000		
			Fiberglass	65997-17-3	0.594000		
			trade secret	n/a	0.036000	non-hazardous	
Shaft	Stainless Steel	26.281%	Fe	7439-89-6	5.009000		
			C	7440-44-0	0.007000		
			Cr (0)	7440-47-3	1.249000		
			Mn	7439-96-5	0.069000		
			Ni	7440-02-0	0.555000		
			P	7723-14-0	0.007000		
			S	7704-34-9	0.007000		
			Si	7440-21-3	0.035000		
			Fe	7439-89-6	0.056000		
			C	7440-44-0	0.000078		
Cr (0)	7440-47-3	0.014000					
Mn	7439-96-5	0.001000					
Ni	7440-02-0	0.006000					
P	7723-14-0	0.000078					
S	7704-34-9	0.000078					
Si	7440-21-3	0.000389					
Contact	BeCu Alloy	0.073%	Cu	7440-50-8	0.019000		
			Be	7440-41-7	0.000323		
			Ni	7440-02-0	0.000019		
			Co	7440-48-4	0.000019		
	PD Alloy	0.007%	Pd	7440-05-3	0.000867		
			Ag	7440-22-4	0.000749		
			Pt	7440-06-4	0.000020		
			Cu	7440-50-8	0.000315		
			Ni	7440-02-0	0.000020		
	Ni Alloy	0.009%	Ni	7440-02-0	0.002000		
			Cu	7440-50-8	0.000001		
			C	7440-44-0	0.000001		
			Fe	7439-89-6	0.000300		
			Mn	7439-96-5	0.000005		
			S	7704-34-9	0.000000		
			Si	7440-21-3	0.000001		
			Cu	7440-50-8	0.382000		
Terminal	OFHC copper	1.447%	Cu	7440-50-8	0.382000		
	Matte Sn plating	0.008%	Sn	7440-31-5	0.002000		
Washer	Stainless Steel	0.127%	Fe	7439-89-6	0.024000		
			C	7440-44-0	0.000033		
			Cr (0)	7440-47-3	0.006000		
			Mn	7439-96-5	0.000331		
			Ni	7440-02-0	0.003000		
			Si	7440-21-3	0.000165		
Element Resistor	alumina	17.973%	Al ₂ O ₃	1344-28-1	4.558493		
			CaO	1305-78-8	0.023041		
			FeO ₂	1345-25-1	0.023041		
			MgO	1309-48-4	0.023041		
			MnO ₂	1313-13-9	0.047049		
			SiO ₂	7631-86-9	0.047049		
			TiO ₂	13463-67-7	0.023041		
			DAIP resin	1087-21-4	0.006178		
			Carbon black	1333-86-4	0.000357		
			SiO ₂	7631-86-9	0.000493		
	Lubricant	0.002%	trade secret	n/a	0.000397		
			Ag	7440-22-4	0.004752		
			BiO ₃	1304-76-3	0.000214		
	Conductor	0.030%	NiO	1313-99-1	0.000074		
			Nonylphenol ethoxylate	68412-53-3	0.000074		
			Pd	7440-05-3	0.002851		
			trade secret	n/a	0.000058		
			DAIP resin	1087-21-4	0.004752		
			C	7440-44-0	0.002851		
			3-(trimethoxysilyl) propyl metha	2530-85-0	0.000050		
			SiO ₂	7631-86-9	0.000028		
			t-butyl peroxybenzoate	614-45-9	0.000094		
	trade secret	n/a	0.000126				
Lockwsher	Spring Steel	1.145%	Fe	7439-89-6	0.298000		
			C	7440-44-0	0.002000		
			Mn	7439-96-5	0.002000		
			P	7723-14-0	0.000091		
			S	7704-34-9	0.000091		
	Ni plating	0.015%	Ni	7440-02-0	0.004000		
	Nut	Brass	4.345%	Cu	7440-50-8	0.726000	
				Zn	7440-66-6	0.417000	
Pb				7439-92-1	0.004000	E.U. RoHS exemption 6(c)	
Zn or Ni plating	0.023%	Zn or Ni	40-66-6 or 7440-0;	0.006000			
Total mass					26.400 mg		