

Material Composition for 6370 STD Potentiometer

Sub-component	Material	% of Total Mass	Substance Name	CAS #	Substance Mass (mg)	Special Classification			
Housing	Aluminum Alloy 6061	40.760%	Al	7429-90-5	13.840800				
			Cr	7440-47-3	0.050461				
			Cu	7440-50-8	0.057670				
			Fe	7439-89-6	0.100923				
			Mg	7439-95-4	0.173010				
			Mn	7439-96-5	0.021626				
			Si	7440-21-3	0.115340				
			Ti	7440-32-6	0.021626				
			Zn	7440-06-6	0.036944				
			Marking Ink	0.001%	cobalt naphthenate	61789-51-3	0.000008		
	cobalt neodecanonate	27253-31-2			0.000008				
	Hexahydro-1, -3 isobenzofuran	85-42-7			0.000038				
				trade secret	n/a	0.000248	non-hazardous		
Element Resistor	alumina	5.216%	Al ₂ O ₃	1344-28-1	1.717434				
			CaO	1305-78-8	0.008945				
			FeO ₂	1345-25-1	0.008945				
			MgO	1309-48-4	0.008945				
			MnO ₂	1313-13-9	0.017890				
			SiO ₂	7631-86-9	0.017890				
			TiO ₂	13463-67-7	0.008945				
			Ag	7440-22-4	0.011201				
			Al	6670-60-1	0.007281				
			Ba	7440-39-3	0.006161				
				trade secret	n/a	0.001960			
			conductor, AgPd	0.053%	Ag	7440-22-4	0.012135		
	Bi ₂ O ₃	1304-76-3			0.000635				
	NiO	1313-99-1			0.000243				
	resistor, conductive p	0.003%	Pd	7440-05-3	0.004051				
				trade secret	n/a	0.001606			
			DAIP resin	1087-21-4	0.000652				
			C	7440-44-0	0.000357				
			3-(trimethoxysilyl) propyl metha	2530-85-0	0.000011				
			SiO ₂	7631-86-9	0.000006				
			t-butyl peroxybenzoate	614-45-9	0.000020				
		trade secret	n/a	0.000027					
	Washer Phenolic	Phenol	3.248%	Phenol	108-95-2	1.149000			
Terminal	Brass	0.763%	Cu	7440-50-8	0.189560				
			Zn	7440-66-6	0.080198				
			Fe	7439-89-6	0.000108				
			Pb	7439-92-1	0.000135	Pb in copper alloy (E.U. RoHS exemp			
	DAP resin	0.331%	diallyl ortho phthalate	131-17-9	0.046800				
			Fiberglass	65997-17-3	0.029250				
			Talc	14807-96-6	0.035100				
	Carbon Black	1333-86-4	0.002925						
Terminal Cap	Brass	0.050%	Cu	7440-50-8	0.012427				
			Zn	7440-66-6	0.005257				
			Fe	7439-89-6	0.000007				
			Pb	7439-92-1	0.000009	Pb in copper alloy (E.U. RoHS exemp			
Shaft	Stainless Steel 303	17.814%	Fe	7439-89-6	4.206118				
			Cr	6900-53	1.197247				
			Ni	7440-02-0	0.639130				
			Mn	7439-96-5	0.126026				
			Si	7440-21-3	0.063013				
			Mo	7439-98-7	0.012603				
			P	7723-14-0	0.047260				
			S	7704-34-9	0.009452				
			C	7440-44-0	0.009452				
						trade secret	n/a	0.000050	non-hazardous
	Lubricant	0.000%	alkyl/fluoroalkyl substituted aryl						
	Shim Washer	Brass 70-30	0.230%	Cu	7440-50-8	0.056960			
				Zn	7440-66-6	0.024420			
		Brass 70-30	0.466%	Cu	7440-50-8	0.115500			
Zn				7440-66-6	0.049500				
Washer	Beryllium Copper C1	1.477%	Cu	7440-50-8	0.509535				
			Be	7440-41-7	0.009929				
			Al	7429-90-5	0.001045				
			Co	7440-48-4	0.001045				
			Si	7440-21-3	0.001045				
Rotor	Molded glass epoxy c	1.606%	Fiber glass	65997-17-3	0.170460				
			Epoxy Resin	25036-25-3	0.397740				
Contact Spring	Beryllium Copper C1	0.068%	Cu	7440-50-8	0.023595				
			Be	7440-41-7	0.000460				
			Al	7429-90-5	0.000048				
			Co	7440-48-4	0.000048				
			Si	7440-21-3	0.000048				
						trade secret	n/a	0.000048	
Contact	Paliney Alloy #7	0.062%	Pd	7440-05-3	0.007700				
			Ag	7440-22-4	0.006600				
			Cu	7440-50-8	0.003080				
			Au	7440-57-5	0.002200				
			Pt	7440-06-4	0.002200				
						trade secret	n/a	0.000000	
Roll pin	Steel 420	0.206%	Fe	7439-89-6	0.071639				
			C	7440-44-0	0.000435				
			Mn	7439-96-5	0.000508				
			P	7723-14-0	0.000015				
			Cr	7440-47-3	0.000022				
			Si	7440-21-3	0.000181				
Lid rear	Aluminum Alloy 6061	10.787%	Al	7429-90-5	3.663072				
			Cr	7440-47-3	0.013355				
			Cu	7440-50-8	0.015263				
			Fe	7439-89-6	0.026710				
			Mg	7439-95-4	0.045788				
			Mn	7439-96-5	0.005724				
			Si	7440-21-3	0.030526				
			Ti	7440-32-6	0.005724				
			Zn	7440-66-6	0.009539				
			Bearing	CRES 440C	3.940%	Fe	7439-89-6	1.104349	
						Cr	7440-47-3	0.236895	
						Mn	7439-96-5	0.013935	
Mo	7439-98-7	0.010451							
Si	7440-21-3	0.013935							
C	7440-44-0	0.013935							
Bearing	CRES 440C	11.637%				Fe	7439-89-6	3.262089	
						Cr	7440-47-3	0.699754	
						Mn	7439-96-5	0.041162	
						Mo	7439-98-7	0.030872	
			Si	7440-21-3	0.041162				
			C	7440-44-0	0.041162				
Screw	Stainless Steel	0.161%	Fe	7439-89-6	0.039492				
			C	7440-44-0	0.000060				
			Cr (0)	7440-47-3	0.010826				
			Mn	7439-96-5	0.000060				
			Mo	7439-98-7	0.000287				
			P	7723-14-0	0.000060				
			S	7704-34-9	0.000226				
			Ni	7440-02-0	0.005700				
						Si	7440-21-3	0.000287	
			Slip Ring-Au	Beryllium Copper C1	1.071%	Cu	7440-50-8	0.369525	
						Be	7440-41-7	0.007201	
Al	7429-90-5	0.000758							
Co	7440-48-4	0.000758							
Si	7440-21-3	0.000758							
						Au	7440-57-5	0.002000	
Contact	Paliney Alloy #6	0.005%	Pd	7440-05-3	0.000792				
			Ag	7440-22-4	0.000684				
			Pt	7440-06-4	0.000018				
			Cu	7440-50-8	0.000288				
Carrier Bar	Nickel Grade A	0.000%	Ni	7440-02-0	-				
			C	7440-44-0	-				
			Mn	7439-96-5	-				
			Fe	7439-89-6	-				
			Si	7440-21-3	-				
						Cu	7440-50-8	-	
Eyelet	Brass	0.037%	Cu	7440-50-8	0.009113				
			Zn	7440-66-6	0.003876				
			Fe	7439-89-6	0.000005				
						Pb	7439-92-1	0.000006	Pb in copper alloy (E.U. RoHS exemp
Total mass					35.339 mg				