

Material Composition for 6670 Potentiometer

Sub-component	Material	% of Total Mass	Substance Name	CAS #	Substance Mass (mg)	Special Classification			
Housing	Aluminum Alloy 606	18.482%	Al	7429-90-6	20.716				
			Cr	7440-47-3	0.076				
			Cu	7440-50-8	0.086				
			Fe	7439-89-6	0.151				
			Mg	7439-95-4	0.259				
			Mn	7439-96-5	0.032				
			Si	7440-21-3	0.173				
			Ti	7440-32-6	0.032				
			Zn	7440-66-6	0.054				
			Marking Ink	0.000%	cobalt naphthenate	61789-51-3	0.000		
					cobalt neodecanonate	27253-31-2	0.000		
			Epoxy	0.002%	Hexahydro-1, -3 isobenzofun	65-42-7	0.000	non-hazardous	
					trade secret	n/a	0.000		
	Epoxy Resin	25085-99-8			0.001				
	Polyoxypropyleneamine	9046-10-0			0.000				
	Nonylphenol	84852-15-3			0.000				
	Element Resistor	alumina	2.147%	Al ₂ O ₃	1344-28-1	2.371			
CaO				1305-78-8	0.012				
Fe ₂ O ₃				1345-25-1	0.012				
MgO				1309-48-4	0.012				
MnO ₂				1313-13-9	0.025				
SiO ₂				7631-86-9	0.025				
TiO ₂				13463-67-7	0.012				
Ag				7440-22-4	0.015				
Al				6670-60-1	0.010				
Ba				7440-39-3	0.009				
conductor, AgPd	0.022%	trade secret	n/a	0.006					
		Ag	7440-22-4	0.017					
		BiO ₃	1304-76-3	0.001					
		NiO	1313-99-1	0.000					
		Pd	7440-05-3	0.006					
		trade secret	n/a	0.002					
		Ru	7440-18-8	0.001					
		Ag	7440-22-4	0.005					
		Al	6670-60-1	0.003					
		Ba	7440-39-3	0.003					
cermet	0.011%	trade secret	n/a	0.001					
		Ru	7440-18-8	0.001					
		Ag	7440-22-4	0.005					
		Al	6670-60-1	0.003					
		Ba	7440-39-3	0.003					
resistor, conductive	0.001%	trade secret	n/a	0.001					
		DAIP resin	1087-21-4	0.001					
		C	7440-44-0	0.000					
		3-(trimethoxysilyl) propyl meth	2530-85-0	0.000					
		SiO ₂	7631-86-9	0.000					
Washer Phenolic	Phenol	1.368%	t-butyl peroxycenzoate	614-45-9	0.000				
			trade secret	n/a	0.000				
Terminal	Brass	0.278%	Cu	7440-50-8	0.228				
			Zn	7440-66-6	0.096				
			Fe	7439-89-6	0.000				
			Pb	7439-92-1	0.000	RoHS exemption 6 (c)			
			trade secret	n/a	0.000				
	Cosmic K31	0.0191%	Diallyl Phthalate Resin	n/a	0.089				
			Fiberglass	65997-17-3	0.056				
			Mineral Fillers	n/a	0.067				
			Pigments	n/a	0.006				
			Catalysts	n/a	0.006				
Terminal	Brass	0.155%	Cu	7440-50-8	0.127				
			Zn	7440-66-6	0.054				
			Fe	7439-89-6	0.000				
			Pb	7439-92-1	0.000	RoHS exemption 6 (c)			
			trade secret	n/a	0.056				
	Cosmic K31	0.0119%	Diallyl Phthalate Resin	n/a	0.056				
			Fiberglass	65997-17-3	0.035				
			Mineral Fillers	n/a	0.042				
			Pigments	n/a	0.003				
			Catalysts	n/a	0.003				
Slider Spring	Palinoy Alloy #7	0.037%	Pd	7440-05-3	0.015				
			Ag	7440-22-4	0.013				
			Cu	7440-50-8	0.006				
			Au	7440-57-5	0.004				
			Pt	7440-06-4	0.004				
			Zn	7440-66-6	0.000				
			trade secret	n/a	0.000				
Shaft	Stainless Steel 303	11.084%	Fe	7439-89-6	8.638				
			Cr	6600-53-3	2.459				
			Ni	7440-02-0	1.294				
			Mn	7439-96-5	0.259				
			Si	7440-21-3	0.129				
			Mo	7439-98-7	0.026				
			P	7723-14-0	0.097				
			S	7704-34-9	0.019				
			C	7440-44-0	0.019				
			Lubricant	0.000%	alkylfluoroalkyl substituted an	n/a	0.000	non-hazardous	
					trade secret	n/a	0.000		
			Shim Washer	Brass 70-30	0.034%	Cu	7440-50-8	0.027	
						Zn	7440-66-6	0.012	
	Brass 70-30	0.014%		Cu	7440-50-8	0.011			
				Zn	7440-66-6	0.005			
Washer	Beryllium Copper C1	0.447%	Cu	7440-50-8	0.509				
			Be	7440-41-7	0.010				
			Al	7429-90-5	0.001				
			Co	7440-48-4	0.001				
			Si	7440-21-3	0.001				
Truarc	Beryllium Copper C1	0.686%	Cu	7440-50-8	0.781				
			Be	7440-41-7	0.015				
			Al	7429-90-5	0.002				
			Co	7440-48-4	0.002				
			Si	7440-21-3	0.002				
Truarc	Carbon Steel	0.152%	Fe	7439-89-6	0.174				
			C	7440-44-0	0.001				
			Mn	7439-96-5	0.001				
			P	7723-14-0	0.000				
			S	7704-34-9	0.000				
			Si	7440-21-3	0.000				
			trade secret	n/a	0.000				
Rotor	Ultem #2300	0.398%	Polyetherimide	61128-46-9	0.325				
			Fiberglass	65997-17-3	0.139				
Contact Arm	Brass 70-30	0.655%	Cu	7440-50-8	0.535				
			Zn	7440-66-6	0.229				
Contact Spring	Beryllium Copper C10	0.190%	Cu	7440-50-8	0.216				
			Be	7440-41-7	0.004				
			Al	7429-90-5	0.000				
			Co	7440-48-4	0.000				
			Si	7440-21-3	0.000				
Contact	Palinoy Alloy #6	0.002%	Pd	7440-05-3	0.001				
			Ag	7440-22-4	0.001				
			Pt	7440-06-4	0.000				
			Cu	7440-50-8	0.000				
			Ni	7440-02-0	0.000				
			trade secret	n/a	0.000				
Lid Front	Aluminum Alloy 606 30.606%	7.130%	Al	7429-90-5	34.306				
			Cr	7440-47-3	0.125				
			Cu	7440-50-8	0.143				
			Fe	7439-89-6	0.250				
			Mg	7439-95-4	0.429				
			Mn	7439-96-5	0.054				
			Si	7440-21-3	0.286				
			Ti	7440-32-6	0.054				
			Zn	7440-66-6	0.089				
			Bearing	CRES 440C	7.130%	Fe	7439-89-6	6.598	
						Cr	7440-47-3	1.415	
						Mn	7439-96-5	0.083	
						Mo	7439-98-7	0.062	
Si	7440-21-3	0.083							
C	7440-44-0	0.983							
Lid Rear	Aluminum Alloy 606 18.533%	6.770%				Al	7429-90-5	20.774	
						Cr	7440-47-3	0.076	
						Cu	7440-50-8	0.087	
						Fe	7439-89-6	0.151	
			Mg	7439-95-4	0.260				
			Mn	7439-96-5	0.032				
			Si	7440-21-3	0.173				
			Ti	7440-32-6	0.032				
			Zn	7440-66-6	0.054				
			Clamp	Stainless Steel	6.770%	Fe	7439-89-6	5.477	
						C	7440-44-0	0.008	
						Cr (0)	7440-47-3	1.501	
						Mn	7439-96-5	0.008	
Mo	7439-98-7	0.040							
P	7723-14-0	0.008							
S	7704-34-9	0.031							
Ni	7440-02-0	0.791							
Si	7440-21-3	0.040							
Screw	Stainless Steel	0.486%				Fe	7439-89-6	0.393	
						C	7440-44-0	0.001	
						Cr (0)	7440-47-3	0.108	
						Mn	7439-96-5	0.001	
			Mo	7439-98-7	0.003				
			P	7723-14-0	0.001				
			S	7704-34-9	0.002				
			Ni	7440-02-0	0.057				
			Si	7440-21-3	0.003				

Total Mass: 116.758 mg