

Material Composition for 5400 STD Potentiometer

Sub-component	Material	% of Total Mass	Substance Name	CAS #	Substance Mass (mg)	Special Classification
Housing	DAP Resin	30.443%	Diallyl Phthalate	131-17-9	14.701725	
			Glass Fiber	65997-17-3	4.900575	
Bearing Sleeve	Oilite Bronze	8.119%	Cu	7440-50-8	4.535117	
	Marking Ink	0.000%	Sn	7440-31-5	0.522780	
C			7440-44-0	0.091487		
Screw Set	Steel	0.245%	Fe	7439-89-6	0.052278	
			Other metal traces	n/a	0.026139	
Screw Mach	Stainless Steel	0.458%	cobalt napthenate	61789-51-3	0.000008	
			cobalt neodecanonate	27253-31-2	0.000008	
Coil Resistor	NiCr alloy	1.972%	Hexahydro-1, -3 isobenzofur	85-42-7	0.000038	
			trade secret	n/a	0.000248	non-hazardous
Screw Mach	Stainless Steel	0.458%	Fe	7439-89-6	0.155284	
			C	7440-44-0	0.000943	
Coil Resistor	NiCr alloy	1.972%	Mn	7439-96-5	0.001101	
			P	7723-14-0	0.000032	
Coil Resistor	NiCr alloy	1.972%	S	7704-34-9	0.000047	
			Si	7440-21-3	0.000393	
Coil Resistor	NiCr alloy	1.972%	Fe	7439-89-6	0.204168	
			C	7440-44-0	0.000324	
Coil Resistor	NiCr alloy	1.972%	Cr (0)	7440-47-3	0.055964	
			Mn	7439-96-5	0.000324	
Coil Resistor	NiCr alloy	1.972%	Mo	7439-98-7	0.001474	
			P	7723-14-0	0.000324	
Coil Resistor	NiCr alloy	1.972%	S	7704-34-9	0.001179	
			Ni	7440-02-0	0.029470	
Coil Resistor	NiCr alloy	1.972%	Si	7440-21-3	0.001474	
			Ni	7440-02-0	0.057149	
Coil Resistor	NiCr alloy	1.972%	Cr (0)	7440-47-3	0.013632	
			Al	7429-90-5	0.002097	
Coil Resistor	NiCr alloy	1.972%	Si	7440-21-3	0.000457	
			Mn	7439-96-5	0.001573	
Coil Resistor	NiCr alloy	1.972%	Cu	7440-50-8	0.001049	
			Cu	7440-50-8	1.134072	
Coil Resistor	NiCr alloy	1.972%	polyimide, aromatic	25038-81-7	0.059771	
			trade secret	n/a	0.001000	non-Hazardous
Shaft	Stainless Steel 303	20.375%	Fe	7439-89-6	8.757333	
			Cr	6600-53	2.492724	
Shaft	Stainless Steel 303	20.375%	Ni	7440-02-0	1.311960	
			Mn	7439-96-5	0.262392	
Shaft	Stainless Steel 303	20.375%	Si	7440-21-3	0.131196	
			Mo	7439-98-7	0.026239	
Shaft	Stainless Steel 303	20.375%	P	7723-14-0	0.098397	
			S	7704-34-9	0.019679	
Shaft	Stainless Steel 303	20.375%	C	7440-44-0	0.019679	
			trade secret	n/a	0.000050	
Lockwasher	Spring Steel	0.995%	C	7440-44-0	0.003939	
			Fe	7439-89-6	0.624364	
Lockwasher	Spring Steel	0.995%	Mn	7439-96-5	0.003939	
			P	7723-14-0	0.000190	
Lockwasher	Spring Steel	0.995%	S	7704-34-9	0.000190	
			Ni	7440-02-0	0.007878	Can be external nickel
Nut	Brass	5.633%	Cu	7440-50-8	2.219151	
			Zn	7440-66-6	1.273626	
Nut	Brass	5.633%	Pb	7439-92-1	0.116326	RoHS exemption 6(c)
			Zn or Ni	70-66-6 or 7440-0	0.017896	Can be external nickel
Shim Washer	Brass 70-30	0.127%	Cu	7440-50-8	0.057400	
			Zn	7440-66-6	0.024600	
Shim Washer	Brass 70-30	0.061%	Cu	7440-50-8	0.027580	
			Zn	7440-66-6	0.011820	
Shim Washer	Brass 70-30	0.025%	Cu	7440-50-8	0.011410	
			Zn	7440-66-6	0.004890	
Rotor	DIALL 52-20-30	4.469%	Diallyl Iso-Phtalate resin	25035-78-3	2.877800	
Contact Spring	Paliney Alloy #7	0.057%	Pd	7440-05-3	0.012880	
			Ag	7440-22-4	0.011040	
Contact Spring	Paliney Alloy #7	0.057%	Cu	7440-50-8	0.005152	
			Au	7440-57-5	0.003680	
Contact Spring	Paliney Alloy #7	0.057%	Pt	7440-06-4	0.003680	
			Zn	7440-66-6	0.000368	
Rotor Arm	Berylco 25	0.540%	Cu	7440-41-7	0.340148	
			Be	7440-50-8	0.006608	
Rotor Arm	Berylco 25	0.540%	Trace Metals	n/a	0.001043	
Slip ring	Cartridge Brass 260	1.372%	Cu	7440-50-8	0.620482	
			Zn	7440-66-6	0.251798	
Slip ring	Cartridge Brass 260	1.372%	Pb	7439-92-1	0.000618	RoHS exemption 6(c)
			Fe	7439-89-6	0.000442	
Slip ring	Cartridge Brass 260	1.372%	Other metal traces	n/a	0.001325	
Lid Front	Aluminum 2024	20.020%	Al	7429-90-5	11.724183	
			Mg	7439-95-4	0.232034	
Lid Front	Aluminum 2024	20.020%	Fe	7439-89-6	0.064454	
			Cu	7440-50-8	0.631649	
Lid Front	Aluminum 2024	20.020%	Zn	7440-66-6	0.032227	
			Mn	7439-96-5	0.128908	
Lid Front	Aluminum 2024	20.020%	Si	7440-21-3	0.064454	
			Cr	7440-47-3	0.012891	
Terminal	Brass	0.942%	Cu	7440-50-8	0.425216	
			Zn	7440-66-6	0.180839	
Terminal	Brass	0.942%	Fe	7439-89-6	0.000242	
			Pb	7439-92-1	0.000303	RoHS exemption 6(c)
Terminal	Brass	0.405%	Cu	7440-50-8	0.182956	
			Zn	7440-66-6	0.077809	
Terminal	Brass	0.405%	Fe	7439-89-6	0.000104	
			Pb	7439-92-1	0.000130	RoHS exemption 6(c)
Terminal	Brass	0.405%	Au	7440-57-5	0.002000	
Terminal Cap	Brass	0.025%	Cu	7440-50-8	0.011163	
			Zn	7440-66-6	0.004723	
Terminal Cap	Brass	0.025%	Fe	7439-89-6	0.000006	
			Pb	7439-92-1	0.000008	RoHS exemption 6(c)
Clamp	Stainless Steel	3.659%	Fe	7439-89-6	1.632582	
			C	7440-44-0	0.002498	
Clamp	Stainless Steel	3.659%	Cr (0)	7440-47-3	0.447532	
			Mn	7439-96-5	0.002498	
Clamp	Stainless Steel	3.659%	Mo	7439-98-7	0.011852	
			P	7723-14-0	0.002498	
Clamp	Stainless Steel	3.659%	S	7704-34-9	0.009355	
			Ni	7440-02-0	0.235630	
Clamp	Stainless Steel	3.659%	Si	7440-21-3	0.011852	
Wire Wiper	Paliney Alloy #7	0.053%	Pd	7440-05-3	0.011865	
			Ag	7440-22-4	0.010170	
Wire Wiper	Paliney Alloy #7	0.053%	Cu	7440-50-8	0.004746	
			Au	7440-57-5	0.003390	
Wire Wiper	Paliney Alloy #7	0.053%	Pt	7440-06-4	0.003390	
			Zn	7440-66-6	0.000339	
Total mass					64.382 mg	