

Material Composition for 3371 STD Potentiometer

Sub-component	Material	% of Total Mass	Substance Name	CAS #	Substance Mass (mg)	Special Classification		
Housing	30% Glass-filled Nyl	15.667%	Nylon 6	25038-54-4	4.020000			
			Fiberglass	65997-17-3	1.800000			
			Antimony Oxide	1309-64-4	0.180000			
Bearing	Brass	22.557%	Cu	7440-50-8	6.055573			
			Zn	7440-66-6	2.575359			
			Fe	7439-89-6	0.003452			
			Pb	7439-92-1	0.004315	RoHS exemption 6 (c)		
	Marking Ink	0.001%	cobalt naphthenate	61789-51-3	0.000008			
			cobalt neodecanonate	27253-31-2	0.000008			
Drive Screw	Stainless Steel	0.498%	Hexahydro-1, -3 isobenzofur:	85-42-7	0.000038			
			trade secret	n/a	0.000248	non-hazardous		
			Fe	7439-89-6	0.132186			
			C	7440-44-0	0.000210			
			Cr (0)	7440-47-3	0.036233			
			Mn	7439-96-5	0.000210			
			Mo	7439-98-7	0.000954			
			P	7723-14-0	0.000210			
			S	7704-34-9	0.000763			
			Ni	7440-02-0	0.019080			
Drive Screw	Stainless Steel	0.163%	Si	7440-21-3	0.000954			
			Fe	7439-89-6	0.043231			
			C	7440-44-0	0.000069			
			Cr (0)	7440-47-3	0.011850			
			Mn	7439-96-5	0.000069			
			Mo	7439-98-7	0.000312			
			P	7723-14-0	0.000069			
			S	7704-34-9	0.000250			
			Ni	7440-02-0	0.006240			
			Si	7440-21-3	0.000312			
Coil Resistor	NiCr alloy	0.434%	Ni	7440-02-0	0.124992			
			Cr (0)	7440-47-3	0.029815			
			Al	7429-90-5	0.004587			
			Si	7440-21-3	0.001000			
			Mn	7439-96-5	0.003440			
			Cu	7440-50-8	0.002293			
	Cu core	6.476%	0.341%	Cu	7440-50-8	2.480347		
				insulation	polyimide, aromatic	25038-81-7	0.130726	
				lubricant	trade secret	n/a	0.001000	non-Hazardous
	Shaft	Stainless Steel	18.115%	Fe	7439-89-6	4.806508		
				C	7440-44-0	0.007632		
				Cr (0)	7440-47-3	1.317488		
				Mn	7439-96-5	0.007632		
Mo				7439-98-7	0.034689			
P				7723-14-0	0.007632			
S				7704-34-9	0.027751			
Ni				7440-02-0	0.693780			
Si				7440-21-3	0.034689			
trade secret				n/a	0.000050			
Lubricant				trade secret	n/a			
Lockwasher				Spring Steel	0.772%	C	7440-44-0	0.001841
		Fe	7439-89-6			0.291857		
		Mn	7439-96-5			0.001841		
	P	7723-14-0	0.000089					
	S	7704-34-9	0.000089					
	Ni	7440-02-0	0.003683					
Nut	Brass	3.287%	Cu	7440-50-8	0.774041			
			Zn	7440-66-6	0.444242			
			Pb	7439-92-1	0.040575	RoHS exemption 6 (c)		
			Zn or Ni plating	10-66-6 or 7440-0	0.006242			
Shim Washer	Stainless Steel 301	0.155%	Fe	7439-89-6	0.043024			
			Cr (0)	7440-47-3	0.010064			
			Ni	7440-02-0	0.004144			
			Mn	7439-96-5	0.001184			
			Si	7440-21-3	0.000592			
			C	7440-44-0	0.000089			
			N	7727-37-9	0.000059			
			P	7723-14-0	0.000027			
			S	7704-34-9	0.000018			
			Shim Washer	Brass 70-30	0.102%	Cu	7440-50-8	0.027440
Zn	7440-66-6	0.011760						
Truarc	Carbon Steel	0.228%	Fe	7439-89-6	0.085908			
			C	7440-44-0	0.000522			
			Mn	7439-96-5	0.000609			
			P	7723-14-0	0.000017			
			S	7704-34-9	0.000026			
			Si	7440-21-3	0.000217			
Rotor	30% Glass-filled Nyl	6.006%	Nylon 6	25038-54-4	1.604250			
			Fiberglass	65997-17-3	0.690000			
			Carbon Black	1333-86-4	0.005750			
Contact Spring	Berylco 25	0.466%	Cu	7440-41-7	0.174377			
			Be	7440-50-8	0.003388			
Contact	Paliney Alloy #8	0.100%	Trace Metals	n/a	0.000535			
			Pd	7440-05-3	0.016896			
			Ag	7440-22-4	0.014592			
			Cu	7440-50-8	0.006528			
			Ni	7440-02-0	0.000384			
Contact Button	Cartridge Brass C26	0.046%	Cu	7440-50-8	0.012360			
			Zn	7440-66-6	0.005192			
			Pb	7439-92-1	0.000012	RoHS exemption 6 (c)		
			Fe	7439-89-6	0.000009			
			Other metal traces	n/a	0.000026			
			Lid Rear	FM-4005	17.757%	Phenolic Resin	9039-25-2	4.046321
Terminal	Brass	0.235%	Fiberglass	65997-17-3	2.720216			
			Carbon Black	1333-86-4	0.034003			
			Cu	7440-50-8	0.063060			
Slider Terminal	Brass	1.533%	Zn	7440-66-6	0.026819			
			Fe	7439-89-6	0.000036			
			Pb	7439-92-1	0.000045	RoHS exemption 6 (c)		
			Au	7440-57-5	0.002000			
			Au Plating	0.005%	Au	7440-57-5	0.002000	
Substrate Molded	Black phenolic roger conductor, AgPd resistor, conductive	4.961%	Cu	7440-50-8	0.411617			
			Zn	7440-66-6	0.175055			
			Fe	7439-89-6	0.000235			
			Pb	7439-92-1	0.000293	RoHS exemption 6 (c)		
			Au	7440-57-5	0.001000			
			Epoxy	0.009%	N-(2-aminoethyl)-1-, 2-ethane Phenol, 4,4' (1-Methylidene)bi	1111-40-03	0.001401	
			Epoxy	0.002%	80-05-7	0.000600		
			Epoxy	0.002%	Epoxy Resin	25085-99-8	0.001413	
			Epoxy	0.002%	Polyoxypropyleneamine	9046-10-0	0.000304	
			Epoxy	0.002%	Nonylphenol	84852-15-3	0.000121	
			Epoxy	0.002%	Ethyleneamine	140-31-8	0.000097	
Epoxy	0.002%	Phenol, dinonyl-	1323-65-5	0.000001				
Epoxy	0.002%	Phenol, 2-nonyl-, branched	91672-41-2	0.000001				
Epoxy	0.002%	Glycerol	56-81-5	0.000024				
Epoxy	0.002%	Siloxanes and Silicones, di-Me	67762-90-7	0.000040				
Substrate Molded	Black phenolic roger conductor, AgPd resistor, conductive	4.961%	Phenolic	9003-35-4	1.895250			
			Carbon Black	1333-86-4	0.004750			
			Ag	7440-22-4	0.008797			
			BiO3	1304-76-3	0.000460			
			NiO	1313-99-1	0.000176			
			Pd	7440-05-3	0.002937			
			trade secret	n/a	0.001164	non-hazardous		
			resistor, conductive	0.018%	DAlP resin	1087-21-4	0.004113	
			resistor, conductive	0.018%	C	7440-44-0	0.002249	
			resistor, conductive	0.018%	3-(trimethoxysilyl) propyl met	2530-85-0	0.000068	
			resistor, conductive	0.018%	SiO2	7631-86-9	0.000038	
resistor, conductive	0.018%	t-butyl peroxybenzoate	614-45-9	0.000128	non-hazardous			
resistor, conductive	0.018%	trade secret	n/a	0.000172	non-hazardous			
Total mass					38.298 mg			