

Material Composition for 5311 STD Potentiometer

Sub-component	Material	% of Total Mass	Substance Name	CAS #	Substance Mass (mg)	Special Classification				
Housing	30% Glass-filled Nylon	16.504%	Nylon 6	25038-54-4	4.020000					
			Fiberglass	65997-17-3	1.800000					
			Antimony Oxide	1309-64-4	0.180000					
Bearing	Brass	23.763%	Cu	7440-50-8	6.055573	RoHS exemption 6 (c)				
			Zn	7440-66-6	2.575359					
			Fe	7439-89-6	0.003452					
	Marking Ink	0.001%	Pb	7439-92-1	0.004315					
			cobalt naphthenate	61789-51-3	0.000008					
			cobalt neodecanonate	27253-31-2	0.000008					
Drive Screw	Stainless Steel	0.525%	Hexahydro-1, -3 isobenzofuran	85-42-7	0.000038	non-hazardous				
			trade secret	n/a	0.000248					
			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					
			Si	7440-21-3	0.000954					
			Drive Screw	Stainless Steel	0.172%		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	0.457%				Ni	7440-02-0	0.124982		
						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 insulation lubricant	6.823% 0.360% 0.003%	Cu	7440-50-8	2.480347					
			polyimide, aromatic	25038-81-7	0.130726					
			trade secret	n/a	0.001000					
			non-Hazardous							
Shaft	Stainless Steel	19.084%	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					
			Lubricant	0.000%	trade secret		n/a	0.000050		
			Lockwasher	Spring Steel	0.813%		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	3.463%	Cu	7440-50-8	0.774041	RoHS exemption 6 (c)				
			Zn	7440-66-6	0.444242					
			Pb	7439-92-1	0.040575					
Shim Washer	Stainless Steel 301	0.163%	Zn or Ni	10-66-6 or 7440-0	0.006242					
			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	0.108%		Cu	7440-50-8	0.027440	
							Zn	7440-66-6	0.011760	
Truarc	Carbon Steel	0.240%	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 Nylon	6.263%		Nylon 6	25038-54-4	1.525456	
							Fiberglass	65997-17-3	0.683040	
Antimony Oxide	1309-64-4	0.068304								
Contact Spring	Berylico 25	0.490%	Cu	7440-41-7	0.174377					
			Be	7440-50-8	0.003388					
			Trace Metals	n/a	0.000535					
Contact	Paliney Alloy #8	0.106%	Pd	7440-05-3	0.016886					
			Ag	7440-22-4	0.014592					
			Cu	7440-50-8	0.006528					
			Ni	7440-02-0	0.000384					
Contact Button	Cartridge Brass C26	0.048%	Cu	7440-50-8	0.012360	RoHS exemption 6 (c)				
			Zn	7440-66-6	0.005192					
			Pb	7439-92-1	0.000012					
			Fe	7439-89-6	0.000009					
			Other metal traces	n/a	0.000026					
Lid Rear	FM-4005	18.706%	Phenolic Resin	9039-25-2	4.046321					
			Fiberglass	65997-17-3	2.720216					
			Carbon Black	1333-86-4	0.034003					
Terminal	Brass	0.247%	Cu	7440-50-8	0.063060	RoHS exemption 6 (c)				
			Zn	7440-66-6	0.026819					
			Fe	7439-89-6	0.000036					
	Au Plating	0.006%	Pb	7439-92-1	0.000045					
			Au	7440-57-5	0.002000					
Slider Terminal	Brass	1.615%	Cu	7440-50-8	0.411617	RoHS exemption 6 (c)				
			Zn	7440-66-6	0.175055					
			Fe	7439-89-6	0.000235					
			Pb	7439-92-1	0.000293					
			Au	7440-57-5	0.001000					
			Au Plating Epoxy Epoxy	0.003% 0.006% 0.006%	N-(2-aminoethyl)-1-, 2-ethanedithiol, 4,4' (1-Methyldiene)bis		1111-40-03	0.001401		
	Epoxy Resin	80-05-7			0.000600					
	Polyoxypropyleneamine	25085-99-8			0.001413					
	Nonylphenol	9046-10-0			0.000304					
	Ethyleneamine	140-31-8			0.000097					
	Phenol, dinonyl-	1323-65-5			0.000001					
	Epoxy	0.006%	Phenol, 2-nonyl-, branched	91672-41-2	0.000001					
Glycerol			56-81-5	0.000024						
Siloxanes and Silicones, di-Me-			67762-90-7	0.000040						

Total mass 36.354 mg