24-Aug-20

Material Composition for 5311 Potentiometer

Part No.	Description	Sub-component	Mass (g)	Material	Chemical Name	% of Sub Mass	CAS #	Special Classification
5311	Potentiometer	Housing	6.0076	30% Glass-filled Nylon 6	Nylon 6	67.00%	25038-54-4	
					Fiberglass	30.00%	65997-17-3	
					Antimony Oxide	3.00%	1309-64-4	
		Bearing	8.65066	Brass	Cu	70.10%	7440-50-8	
					Zn	29.81%	7440-66-6	
					Fe	0.04%	7439-89-6	
					Pb	0.0497%	7439-92-1	RoHS exempt 6(c)
				Marking Ink	cobalt napthenate	0.0001%	61789-51-3	
					cobalt neodecanonate	0.00%	27253-31-2	
					Hexahydro-1, -3 isobenzofurandione	0.0%	85-42-7	
					trade secret	0.0%	n/a	non-hazardous
		Drive Screw	0.1912	Stainless Steel	Fe	69.25%	7439-89-6	
					C	0.10%	7440-44-0	
					Cr (0)	18.99%	7440-47-3	
					Mn	0.10%	7439-96-5	
					Mo	0.52%	7439-98-7	
					P	0.10%	7723-14-0	
					S	0%	7704-34-9	
					Ni	10%	7440-02-0	
					Si	1%	7440-21-3	
		Drive Screw	0.0625	Stainless Steel	Fe	69%	7439-89-6	
					C	0%	7440-44-0	
					Cr (0)	19%	7440-47-3	
					Mn	0.16%	7439-96-5	
					Mo	0.48%	7439-98-7	
					P	0.16%	7723-14-0	
					S	0.32%	7704-34-9	
					Ni	9.92%	7440-02-0	
					Si	0.48%	7440-21-3	
		Coil Resistor	2.7807	NiCr alloy	Ni	4.4989%	7440-02-0	
					Cr (0)	1.0753%	7440-47-3	
					Al	0.17%	7429-90-5	
					Si	0.04%	7440-21-3	
					Mn	0.12%	7439-96-5	
					Cu	0.08%	7440-50-8	
				Cu core	Cu	89.31%	7440-50-8	
				insulation	polyimide, aromatic	4.71%	25038-81-7	
			0.001	lubricant	trade secret	100%	n/a	non-Hazardous
		Shaft	6.9487	Stainless Steel	Fe	69%	7439-89-6	
					C	0%	7440-44-0	
					Cr (0)	19%	7440-47-3	
					Mn	0.11%	7439-96-5	
					Mo	0.50%	7439-98-7	
					P	0.11%	7723-14-0	
					S	0.40%	7704-34-9	
					Ni	10.00%	7440-02-0	
					Si	0.50%	7440-21-3	
				Lubricant	trade secret	0.001%	n/a	
		Lockwasher	0.2997	Spring Steel	C	0.60%	7440-44-0	
					Fe	97.50%	7439-89-6	
					Mn	1%	7439-96-5	
					P	0%	7723-14-0	
					S	0%	7704-34-9	
				Ni Plating	Ni	1%	7440-02-0	
		Nut	1.2667	Brass	Cu	61%	7440-50-8	
					Zn	35%	7440-66-6	
					Pb	3.21%	7439-92-1	RoHS exempt 6(c)
				Zn or Ni plating	Zn or Ni	0.50%	7440-66-6 or 7440-02-0	
		Shim Washer	0.05935	Stainless Steel 301	Fe	72.62%	7439-89-6	
					Cr (0)	17.02%	7440-47-3	
					Ni	6.91%	7440-02-0	
					Mn	2%	7439-96-5	
					Si	1%	7440-21-3	
					C	0.17%	7440-44-0	
					N	0.17%	7727-37-9	
					P	0%	7723-14-0	
					S	0%	7704-34-9	
		Shim Washer	0.0393	Brass 70-30	Cu	70%	7440-50-8	
					Zn	30.03%	7440-66-6	
		Truarc	0.08735	Carbon Steel	Fe	98.45%	7439-89-6	
					C	0.57%	7440-44-0	
					Mn	0.69%	7439-96-5	
					P	0.02%	7723-14-0	
					S	0.03%	7704-34-9	
					Si	0.23%	7440-21-3	
		Rotor	2.2797	30% Glass-filled Nylon 6	Nylon 6	67.00%	25038-54-4	
					Fiberglass	30.00%	65997-17-3	
					Antimony Oxide	3.00%	1309-64-4	
		Contact Spring	0.1785	Berylco 25	Cu	97.82%	7440-41-7	
					Be	1.90%	7440-50-8	
					Trace Metals	0.28%	n/a	
		Contact	0.0384	Paliney Alloy #8	Pd	44.01%	7440-05-3	
					Ag	38.02%	7440-22-4	
					Cu	16.93%	7440-50-8	
					Ni	1.04%	7440-02-0	
		Contact Button	0.01765	Cartridge Brass C26000	Cu	70.25%	7440-50-8	
					Zn	29.46%	7440-66-6	
					Pb	0.06%	7439-92-1	RoHS exempt 6(c)
					Fe	0.06%	7439-89-6	
					Other metal traces	0.17%	n/a	
		Lid Rear	6.809	FM-4005	Phenolic Resin	59.50%	9039-25-2	
					Fiberglass	40.00%	65997-17-3	
					Carbon Black	0.50%	1333-86-4	
		Terminal	0.09018	Brass	Cu	68.53%	7440-50-8	
					Zn	29.16%	7440-66-6	
					Fe	0.04%	7439-89-6	
					Pb	0.04%	7439-92-1	RoHS exempt 6(c)
				Au Plating	Au	2.22%	7440-57-5	
		Slider Terminal	0.5879	Brass	Cu	69.98%	7440-50-8	
					Zn	29.77%	7440-66-6	
					Fe	0.03%	7439-89-6	
					Pb	0.05%	7439-92-1	RoHS exempt 6(c)
				Au Plating	Au	0.17%	7440-57-5	
			0.002	Epoxy	N-(2-aminoethyl)-1-, 2-ethanediamine	70.00%	1111-40-03	
					Phenol, 4,4' (1-Methylidene)bis-	30.00%	80-05-7	
			0.001962	Epoxy	Epoxy Resin	71.36%	25085-99-8	
					Polyoxypropyleneamine	15.29%	9046-10-0	
					Nonylphenol	5.10%	84852-15-3	
					Ethyleneamine	5.10%	140-31-8	
					Phenol, dinonyl-	0.05%	1323-65-5	
					Phenol, 2-nonyl-, branched	0.05%	91672-41-2	
					Glycerol	1.02%	56-81-5	
					Siloxanes and Silicones,di-Me, reaction products with silica	2.04%	67762-90-7	

Total	36.400