

Material Composition for P166 Potentiometer

Part No.	Description	Sub-component	Material	Chemical Name	CAS #	Total weight of component part name(mg)	weight of component part name (mg)	(% of Sub Weight)	Special Classification
P166	Pot ent i onet er	Shaft	Zinc Alloy	Al	7429-90-5	1617.0	64.7	1.54%	NA
				Cu	7440-50-8		8.1	0.19%	
				Mg	7439-95-4		0.8	0.02%	
				Fe	7439-89-6		0.2	0.00%	
				Sn	7440-31-5		0.2	0.00%	
				Zn	7440-66-6		1,543.1	36.74%	
		Element	Phenolic Lamina	B.K.P	65996-61-4	347.4	156.3	3.72%	
				Phenolic Resin	9003-35-4		191.1	4.55%	
			Carbon Plasm	Methanol	67-56-1	14.0	2.1	0.05%	
				Carbom Black	1333-86-4		9.8	0.23%	
				Talc	14807-96-6		0.6	0.01%	
				Polymer with xylene 8 phend	29601-89-0		0.4	0.01%	
				Moncbutyi Ether	112-34-5		0.4	0.01%	
				Silver	7440-22-4		0.7	0.02%	
			Silver Plasm	Phenolic resin	9039-25-2	6.0	0.9	0.02%	
				Silver	7440-22-4		3.3	0.08%	
				Glass powder	65997-17-3		0.0	0.00%	
				Graphite	7782-42-5		0.3	0.01%	
				Molybdeum disulfide	1317-33-5		0.3	0.01%	
				Diethylene glycol monveihyl ether	111-90-0		1.2	0.03%	
			White Oil	Epoxy Resin	25085-99-8	1.0	0.5	0.01%	
				Barium Sulfate Talc	7727-43-7		0.2	0.00%	
				Titanium sulfate	13463-67-7		0.3	0.01%	
				Diethylene Glycol Monoethyl Ether Acetate	112-15-2		0.1	0.00%	
		Terminal	SPCC	C	7440-44-0	169.5	0.3	0.01%	
				Mn	7439-96-5		0.3	0.01%	
				P	7723-14-0		0.1	0.00%	
				S	7704-34-9		0.1	0.00%	
				Si	7440-21-3		0.5	0.01%	
				Al	7429-90-5		0.1	0.00%	
				Fe	7439-89-6		168.1	4.00%	
			Tin Plating	Sn	7440-31-5	0.3	0.3	0.01%	
		Bushing	PA66	POLYHEXAMETHYLENE ADIPAMIDE	32131-17-2	631.0	410.2	9.77%	
				FIBERS GLASS	65997-17-3		201.9	4.81%	
				COLORANTS,STABILIZERS,LUBRICANTS	76024-18-9		18.9	0.45%	
		Rivet	AL5052BR	Al	7429-90-5	137.0	127.9	3.04%	
				Cu	7440-50-8		4.7	0.11%	
				Fe	7439-89-6		0.4	0.01%	
				Ni	7440-02-0		1.0	0.02%	
				Si	7740-21-3		3.0	0.07%	
		Stop Plate	POM	ACETAL POLYMER	002-81-7	319.0	312.6	7.44%	
				STABILIZER	70624-18-9		6.4	0.15%	
		Slider	C7701	Copper	7440-50-8	72.6	40.0	0.95%	
				Zn	7440-66-6		19.1	0.45%	
				Nickel	7440-02-0		13.1	0.31%	
				Mn	7439-96-5		0.4	0.01%	
				Fe	7439-89-6		0.1	0.00%	
		Spring Plate	C5191R	Cu	7440-50-8	45.0	42.3	1.01%	
				Sn	7440-31-5		2.5	0.06%	
				P	7723-14-0		0.1	0.00%	
				Zn	7440-66-6		0.0	0.00%	
				Fe	7439-89-6		0.0	0.00%	
		Base	PA66	POLYHEXAMETHYLENE ADIPAMIDE	32131-17-2	256.0	166.4	3.96%	
				FIBERS GLASS	65997-17-3		81.9	1.95%	
				COLORANTS,STABILIZERS,LUBRICANTS	76024-18-9		7.7	0.18%	
		NUT	SPCC	C	7440-44-0	450.0	0.9	0.02%	
				Mn	7439-96-5		0.9	0.02%	
				P	7723-14-0		0.2	0.00%	
				S	7704-34-9		0.2	0.00%	
				Si	7440-21-3		1.4	0.03%	
				Al	7429-90-5		0.2	0.00%	
				Fe	7439-89-6		446.3	10.63%	
			Nickel Plating	Ni	7440-02-0	10.0	10.0	0.24%	
		Grease	Base oil+Additic	PAO	68611-44-9	2.0	1.6	0.04%	
				Polyisobutylene	68611-44-9		0.2	0.00%	
				Fumed Silica	68611-44-9		0.2	0.00%	
		Washer	SPCC	C	7440-44-0	121.4	0.2	0.01%	
				Mn	7439-96-5		0.2	0.01%	
				P	7723-14-0		0.0	0.00%	
				S	7704-34-9		0.0	0.00%	
				Si	7440-21-3		0.4	0.01%	
				Al	7429-90-5		0.1	0.00%	
				Fe	7439-89-6		120.4	2.87%	
			Nickel Plating	Ni	7440-02-0	0.8	0.8	0.02%	

Total	4,200.0	
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