

**Material Composition for 6273 STD Potentiometer**

Sub-component	Material	% of Total Mass	Substance Name	CAS #	Substance Mass (mg)	Special Classification			
Housing	Aluminum Alloy 6061	39.887%	Al	7429-90-5	7.165152				
			Cr	7440-47-3	0.026123				
			Cu	7440-50-8	0.029855				
			Fe	7439-89-6	0.052246				
			Mg	7439-95-4	0.089564				
			Mn	7439-96-5	0.011196				
			Si	7440-21-3	0.059710				
			Ti	7440-32-6	0.011196				
			Zn	7440-66-6	0.018659				
			Marking Ink	0.002%	cobalt naphthenate	61789-51-3	0.000008		
					cobalt neodecanonate	27253-31-2	0.000008		
			Locite 325	0.006%	Hexahydro-1, -3 isobenzofura	85-42-7	0.000038		
					trade secret	n/a	0.000248	non-hazardous	
	Polyurethane Methacrylate Res	Proprietary			0.000400				
	Polyglycol dimethacrylate	109-16-0			0.000400				
	Hydroxyalkyl methacrylate	27813-02-1			0.000060				
	Acrylic acid	79-10-7			0.000060				
	Saccharin	81-07-2			0.000060				
	Tert-butyl perbenzoate	614-45-9	0.000060						
Methanol	67-56-1	0.000012							
Element Resistor	Black Phenolics Rog	6.162%	Bakelite	9003-35-4	0.807100				
			Fiberglass	65997-17-3	0.345900				
	Conductor, AgPd	0.062%	Ag	7440-22-4	0.007583				
			BiO3	1304-76-3	0.000397				
			NiO	1313-99-1	0.000152				
			Pd	7440-05-3	0.002532				
	Resistor, conductive	0.004%	trade secret	n/a	0.001003				
			DAIP resin	1087-21-4	0.000408				
			C	7440-44-0	0.000223				
			3-(trimethoxysilyl) propyl metha	2530-85-0	0.000007				
			SiO2	7631-86-9	0.000004				
t-butyl peroxybenzoate	614-45-9	0.000013							
trade secret	n/a	0.000017							
Terminal	Brass	1.443%	Cu	7440-50-8	0.189560				
			Zn	7440-66-6	0.080198				
			Fe	7439-89-6	0.000108				
			Pb	7439-92-1	0.000135	RoHS exemption 6 ( c )			
	DAP Resin and Glas	0.625%	Diallyl Phthalate Resin	131-17-9	0.046800				
			Fiberglass	65997-17-3	0.029250				
			Mineral Fillers	n/a	0.035100				
			Pigments	n/a	0.002925				
			Catalysts	n/a	0.002925				
Terminal Cap	Brass	0.085%	Cu	7440-50-8	0.011163				
			Zn	7440-66-6	0.004723				
Shaft	Stainless Steel 303	7.747%	Fe	7439-89-6	0.000006				
			Pb	7439-92-1	0.000008	RoHS exemption 6 ( c )			
			Cr	7439-89-6	0.067608				
			Ni	7440-02-0	0.144960				
			Mn	7439-96-5	0.028992				
			Si	7440-21-3	0.014496				
			Mo	7439-98-7	0.002899				
			P	7723-14-0	0.010872				
			S	7704-34-9	0.002174				
			C	7440-44-0	0.002174				
Shim Washers	Brass 260	0.299%	Cu	7440-50-8	0.039130				
			Zn	7440-66-6	0.016770				
Washer	Beryllium Copper	0.076%	Cu	7440-50-8	0.013943				
			Be	7440-41-7	0.000272				
			Al	7429-90-5	0.000029				
			Co	7440-48-4	0.000029				
			Si	7440-21-3	0.000029				
Truarc Retainers	Beryllium Copper C1	2.095%	Cu	7440-50-8	0.382631				
			Be	7440-41-7	0.006971				
			Al	7429-90-5	0.000967				
			Co	7440-48-4	0.000718				
			Si	7440-21-3	0.000722				
Contact Support	Beryllium Copper C1	1.515%	Cu	7440-50-8	0.279669				
			Be	7440-41-7	0.001699				
			Al	7429-90-5	0.001983				
			Co	7440-48-4	0.000057				
			Si	7440-21-3	0.000085				
Contact Spring	Beryllco 440	0.096%	Ni	7440-02-0	0.017550				
			Be	7440-41-7	0.000351				
			Ti	7440-32-6	0.000090				
Contact	Paliney Alloy #6	0.010%	Pd	7440-05-3	0.000792				
			Ag	7440-22-4	0.000684				
			Pt	7440-06-4	0.000018				
			Cu	7440-50-8	0.000288				
Contact Spring	Paliney Alloy #6	0.019%	Pd	7440-05-3	0.001584				
			Ag	7440-22-4	0.001368				
			Pt	7440-06-4	0.000036				
			Cu	7440-50-8	0.000576				
Rear Lid	Aluminum Alloy 6061	18.446%	Al	7429-90-5	3.313536				
			Cr	7440-47-3	0.012081				
			Cu	7440-50-8	0.013806				
			Fe	7439-89-6	0.024161				
			Mg	7439-95-4	0.041419				
			Mn	7439-96-5	0.005177				
			Si	7440-21-3	0.027613				
			Ti	7440-32-6	0.005177				
			Zn	7440-66-6	0.008629				
			Bearing	CRES 440C	6.101%	Fe	7439-89-6	0.904718	
						Cr	7440-47-3	0.194072	
Mn	7439-96-5	0.011416							
Mo	7439-98-7	0.008562							
Si	7440-21-3	0.011416							
C	7440-44-0	0.011416							
Clamp	Stainless Steel	6.893%				Fe	7439-89-6	0.893707	
						C	7440-44-0	0.001367	
			Cr (0)	7440-47-3	0.244991				
			Mn	7439-96-5	0.001367				
			Mo	7439-98-7	0.006488				
			P	7723-14-0	0.001367				
			S	7704-34-9	0.005121				
			Ni	7440-02-0	0.128990				
			Si	7440-21-3	0.006488				
			Screw	Stainless Steel	0.804%	Fe	7439-89-6	0.104274	
						C	7440-44-0	0.000160	
Cr (0)	7440-47-3	0.028584							
Mn	7439-96-5	0.000160							
Mo	7439-98-7	0.000757							
P	7723-14-0	0.000160							
S	7704-34-9	0.000597							
Ni	7440-02-0	0.015050							
Si	7440-21-3	0.000757							
Carrier Bar	Nickel Grade A	0.010%				Ni	7440-02-0	0.001837	
			Mg	7440-44-0	0.000000				
			Ti	7439-96-5	0.000000				
Insulator	LCP and Glass natur	7.497%	Fe	7439-89-6	0.000000				
			LCP resin	60088-52-0	0.982000				
Slider Spring	Paliney Alloy #7	0.117%	Glass Fiber	65997-17-3	0.420857				
			Pd	7440-05-3	0.007630				
			Ag	7440-22-4	0.006540				
			Cu	7440-50-8	0.003052				
			Au	7440-57-5	0.002180				
			Pt	7440-06-4	0.002180				
			Zn	7440-66-6	0.000218				
<b>Total mass</b>					<b>18.712 mg</b>				