

Material Composition for Model 72 Trimmer

Sub-component	Material	% of Total Mass	Substance Name	CAS #	Substance Mass (grams)	Special Classification
Housing	PBT blend	34.70%	PBT	26062-94-2	2.01E-01	Fire retardant
			Fiberglass	65997-17-3	5.40E-02	
			SbO	1309-64-4	1.30E-02	
O-ring	silicone rubber	1.00%	methylvinylpolysiloxane	68083-18-1	6.00E-03	non-hazardous
			trade secret	unknown	1.00E-03	
Ball	440C steel	0.50%	Cr(0)	7440-47-3	1.00E-03	
			P	7723-14-0	1.55E-06	
			Mo	7439-98-7	2.90E-05	
			C	7440-44-0	3.86E-05	
			Mn	7439-96-5	1.93E-05	
			Fe	7439-89-6	3.08E-03	
			Si	7440-21-3	3.86E-05	
Rotor	PBT blend	10.00%	PBT	26062-94-2	5.80E-02	
			Fiberglass	65997-17-3	1.50E-02	
			SbO	1309-64-4	4.00E-03	
Contact	Cu alloy wire	0.18%	Cu	7440-50-8	7.46E-04	
			Zn	7440-66-6	3.66E-04	
			Ni	7440-02-0	2.44E-04	
	Nickel alloy bar	0.13%	Cu	7440-50-8	5.00E-07	
			Ni	7440-02-0	8.46E-04	
			C	7440-44-0	6.00E-07	
			Mn	7439-96-5	2.50E-06	
			Fe	7439-89-6	1.50E-04	
			S	7704-34-9	5.00E-08	
			Si	7440-21-3	5.00E-07	
Terminals	Cu wire	12.60%	Cu	7440-50-8	9.80E-02	
	Sn plating	0.00%	Sn	7440-31-5	1.73E-05	
Potting	Epoxy	14.30%	SiO ₂ , amorphous	7631-86-9	6.00E-03	BPA
			modified aliphatic polyamine	trade secret	2.20E-02	
			hydantoin epoxy resin	15336-82-0	6.00E-03	
			epichlorohydrin / polyglycol epoxy resin	26142-30-3	6.00E-03	
Substrate	Alumina	26.50%	epichlorohydrin/bisphenol A epoxy resin	unknown	6.60E-02	
			cycloaliphatic epoxy resin	2386-87-0	6.00E-03	
			Al ₂ O ₃	1344-28-1	1.96E-01	
			SiO ₂ , amorphous	7631-86-9	2.00E-03	
			TiO ₂	13463-67-7	1.00E-03	
			FeO ₂	1345-25-1	1.00E-03	
Conductor	AgPd thick film	0.10%	MnO ₂	1313-13-9	2.00E-03	RoHS exemption 34
			MgO	1309-48-4	1.00E-03	
			CaO	1305-78-8	1.00E-03	
			Al ₂ O ₃	1344-28-1	5.42E-06	
			SiO ₂ , amorphous	7631-86-9	2.38E-05	
			TiO ₂	13463-67-7	5.42E-06	
			PbO	1317-36-8	3.24E-05	
			ZnO	1314-13-2	5.88E-06	
			B ₂ O ₃	1303-86-2	2.00E-06	
			ZrO ₂	1314-23-4	4.80E-07	
Resistor	Ruthenate thick film	0.13%	BaO	1304-28-5	6.16E-06	RoHS exemption 34
			Ag	7440-22-4	6.46E-04	
			Pd	2023568	7.20E-05	
			Al ₂ O ₃	1344-28-1	1.33E-05	
			SiO ₂ , amorphous	7631-86-9	1.12E-04	
			TiO ₂	13463-67-7	1.33E-05	
			MnO ₂	1313-13-9	6.00E-06	
			PbO	1317-36-8	2.92E-04	
			ZnO	1314-13-2	3.19E-05	
			B ₂ O ₃	1303-86-2	3.73E-05	
			ZrO ₂	1314-23-4	8.95E-06	
			BaO	1304-28-5	1.51E-05	
			Ag	7440-22-4	3.61E-05	
			Pd	2023568	4.59E-05	
Steatite	14807-96-6	2.00E-06				
Bi ₂ Ru ₂ O ₆	unknown	4.50E-05				
Pb ₂ Ru ₂ O ₆ +x	unknown	0.00032				
RuO ₂	12036-10-1	0.000021				
Total mass					0.774 grams	