

Material Composition for Model 90LF Trimmer

Sub-component	Material	% of Total Mass	Substance Name	CAS #	Substance Mass (grams)	Special Classification
Housing	PBT blend	33.00%	PBT	26062-94-2	3.03E-01	Fire retardant
			Fiberglass	65997-17-3	8.10E-02	
			SbO	1309-64-4	2.00E-02	
Shaft	Brass	28.80%	Cu	7440-50-8	2.17E-01	RoHS exemption 6 (c)
			Zn	7440-66-6	1.25E-01	
			Pb in brass	7439-92-1	1.10E-02	
Slider block	PBT blend	2.10%	PBT	009002-84-0	1.90E-02	
			Fiberglass	65997-17-3	6.00E-03	
			PTFE	009002-84-0	1.00E-03	
Contact	Cu alloy wire	0.13%	Cu	7440-50-8	8.43E-04	
			Zn	7440-66-6	4.14E-04	
			Ni	7440-02-0	2.76E-04	
	Nickel alloy bar	0.08%	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-07	
			Si	7440-21-3	5.00E-08	
Terminals	Cu wire	4.90%	Cu	7440-50-8	6.00E-02	
	Sn plating	0.00%	Sn	7440-31-5	1.73E-05	
Potting	Epoxy	11.00%	SiO2, amorphous	7631-86-9	7.00E-03	BPA
			modified aliphatic polyamine	trade secret	2.70E-02	
			hydantoin epoxy resin	15336-82-0	7.00E-03	
			epichlorohydrin / polyglycol epoxy resir	26142-30-3	7.00E-03	
			epichlorohydrin/bisphenol A epoxy resi unknown		8.10E-02	
			cycloaliphatic epoxy resin	2386-87-0	7.00E-03	
Substrate	Alumina	19.80%	Al2O3	1344-28-1	2.33E-01	
			SiO2, amorphous	7631-86-9	2.42E-03	
			TiO2	13463-67-7	1.21E-03	
			FeO2	1345-25-1	1.00E-03	
			MnO2	1313-13-9	2.00E-03	
			MgO	1309-48-4	1.00E-03	
			CaO	1305-78-8	1.00E-03	
Conductor	AgPd thick film	0.05%	Al2O3	1344-28-1	4.34E-06	RoHS exemption 34
			SiO2, amorphous	7631-86-9	1.90E-05	
			TiO2	13463-67-7	4.34E-06	
			PbO	1317-36-8	2.59E-05	
			ZnO	1314-13-2	4.71E-06	
			B2O3	1303-86-2	1.60E-06	
			ZrO2	1314-23-4	3.84E-07	
			BaO	1304-28-5	4.93E-06	
			Ag	7440-22-4	5.17E-04	
			Pd	2023568	5.76E-05	
Resistor	Ruthenate thick film	0.09%	Al2O3	1344-28-1	1.47E-05	RoHS exemption 34
			SiO2, amorphous	7631-86-9	1.24E-04	
			TiO2	13463-67-7	1.47E-05	
			MnO2	1313-13-9	6.66E-06	
			PbO	1317-36-8	3.24E-04	
			ZnO	1314-13-2	3.54E-05	
			B2O3	1303-86-2	4.14E-05	
			ZrO2	1314-23-4	9.94E-06	
			BaO	1304-28-5	1.68E-05	
			Ag	7440-22-4	4.00E-05	
			Pd	2023568	5.10E-05	
			Steatite	14807-96-6	2.22E-06	
			Bi2Ru2O6	unknown	5.00E-05	
			Pb2Ru2O6+x	unknown	3.55E-04	
			RuO2	12036-10-1	2.33E-05	

Total mass 1.22 grams