

Material Composition for Model 66 Trimmer

Sub-component	Material	% of Total Mass	Substance Name	CAS #	Substance Mass (grams)	Special Classification
Housing	PBT blend	41.60%	PBT	26062-94-2	2.96E-01	Fire retardant
			Fiberglass	65997-17-3	7.90E-02	
			SbO	1309-64-4	2.00E-02	
Shaft	Brass	9.20%	Cu	7440-50-8	5.40E-02	RoHS exemption 6(c) exposed nickel
	Cu plating Ni plating	0.02%	Zn	7440-66-6	3.10E-02	
		0.20%	Pb in brass	7439-92-1	3.00E-03	
			Cu	7440-50-8	2.05E-04	
			Ni	7440-02-0	1.84E-03	
Rotor	PTFE	7.90%	PTFE	009002-84-0	7.50E-02	
Contact	Cu alloy wire	0.14%	Cu	7440-50-8	7.15E-04	
	Nickel alloy bar	0.11%	Zn	7440-66-6	3.51E-04	
Ni			7440-02-0	2.34E-04		
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	10.30%	Cu	7440-50-8	9.80E-02	
	Sn plating	0.00%	Sn	7440-31-5	1.71E-05	
Potting	Epoxy	8.80%	SiO ₂ , amorphous	7631-86-9	4.00E-03	BPA
			modified aliphatic polyamine	trade secret	1.70E-02	
			hydantoin epoxy resin	15336-82-0	4.00E-03	
			epichlorohydrin / polyglycol epoxy resin	26142-30-3	4.00E-03	
			epichlorohydrin/bisphenol A epoxy resin	unknown	5.00E-02	
			cycloaliphatic epoxy resin	2386-87-0	4.00E-03	
Substrate	Alumina	21.60%	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	
			MnO ₂	1313-13-9	2.00E-03	
			MgO	1309-48-4	1.00E-03	
			CaO	1305-78-8	1.00E-03	
Conductor	AgPd thick film	0.08%	Al ₂ O ₃	1344-28-1	5.42E-06	RoHS exemption 34
			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	
			BaO	1304-28-5	6.16E-06	
			Ag	7440-22-4	6.46E-04	
			Pd	7440-05-3	7.20E-05	
Resistor	Ruthenate thick film	0.11%	Al ₂ O ₃	1344-28-1	1.33E-05	RoHS exemption 34
			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	7440-05-3	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	4.79E-05	
			RuO ₂	12036-10-1	2.10E-05	
			Total mass			