

Material Composition for Model 45LF Trimmer

Sub-component	Material	% of Total Mass	Substance Name	CAS #	Substance Mass (grams)	Special Classification
Housing	PEEK blend	39.00%	polyetherether ketone	29658-26-2	4.70E-02	
			fiberglass	65997-17-3	2.00E-02	
Shaft	Brass	9.30%	Cu	7440-50-8	1.00E-02	RoHS exemption 6 (c)
			Zn	7440-66-6	6.00E-03	
			Pb in brass	7439-92-1	4.96E-04	
	Lubricant	0.12%	trifluoropropylmethylsiloxane, trimethyl-trade secret	63148-56-1 unknown	1.20E-04 8.00E-05	
Rotor	PTFE	10.40%	PTFE	009002-84-0	1.80E-02	non-hazardous
	Lubricant	0.23%	C.I. Yellow trade secret	19125-99-6 unknown	4.00E-06 3.96E-04	
Contact	Pd alloy wire	0.35%	Ag	7440-22-4	2.40E-04	
			Cu	7440-50-8	1.50E-04	
			Ni	7440-02-0	4.20E-05	
			Pd	2023568	1.62E-04	
			Zn	7440-66-6	6.00E-06	
	Nickel alloy bar	0.29%	Cu	7440-50-8	2.50E-07	
			Ni	7440-02-0	4.23E-04	
			C	7440-44-0	3.00E-07	
			Mn	7439-96-5	1.25E-06	
			Fe	7439-89-6	7.50E-05	
			S	7704-34-9	2.50E-08	
			Si	7440-21-3	2.50E-07	
O-ring	Rubber	0.29%	methylvinylpolysiloxane	68083-18-1	4.00E-04	non-hazardous
			trade secret	unknown	1.00E-04	
Terminals	Cu wire	2.10%	Cu	7440-50-8	4.00E-03	
	Sn plating	0.27%	Sn	7440-31-5	4.57E-04	
Potting	Epoxy	16.00%	SiO2, amorphous	7631-86-9	1.00E-03	contains BPA
			modified aliphatic polyamine	trade secret	6.00E-03	
			hydantoin epoxy resin	15336-82-0	1.00E-03	
			epichlorohydrin / polyglycol epoxy resin	26142-30-3	1.00E-03	
			epichlorohydrin/bisphenol A epoxy resin	unknown	1.70E-02	
			cycloaliphatic epoxy resin	2386-87-0	1.00E-03	
Substrate	Alumina	20.60%	Al2O3	1344-28-1	3.40E-02	
			SiO2, amorphous	7631-86-9	3.53E-04	
			TiO2	13463-67-7	1.77E-04	
			FeO2	1345-25-1	1.77E-04	
			MnO2	1313-13-9	3.53E-04	
			MgO	1309-48-4	1.77E-04	
			CaO	1305-78-8	1.77E-04	
Conductor	AgPd thick film	0.35%	Al2O3	1344-28-1	4.07E-06	RoHS exemption 34
			SiO2, amorphous	7631-86-9	1.78E-05	
			TiO2	13463-67-7	4.07E-06	
			PbO	1317-36-8	2.43E-05	
			ZnO	1314-13-2	4.41E-06	
			B2O3	1303-86-2	1.50E-06	
			ZrO2	1314-23-4	3.60E-07	
			BaO	1304-28-5	4.62E-06	
			Ag	7440-22-4	4.85E-04	
			Pd	2023568	5.40E-05	
Resistor	Ruthenate thick film	0.64%	Al2O3	1344-28-1	1.46E-05	RoHS exemption 34
			SiO2, amorphous	7631-86-9	1.23E-04	
			TiO2	13463-67-7	1.46E-05	
			MnO2	1313-13-9	6.60E-06	
			PbO	1317-36-8	3.22E-04	
			ZnO	1314-13-2	3.51E-05	
			B2O3	1303-86-2	4.10E-05	
			ZrO2	1314-23-4	9.85E-06	
			BaO	1304-28-5	1.66E-05	
			Ag	7440-22-4	3.97E-05	
			Pd	2023568	5.05E-05	
			Stealite	14807-96-6	2.20E-06	
			Bi2Ru2O6	unknown	4.95E-05	
			Pb2Ru2O6+x	unknown	3.52E-04	
			RuO2	12036-10-1	2.31E-05	

Total mass 0.17 grams