

Model 44 material declaration. BI Technologies Corporation

10/3/2013

LF and non-LF option content are identical after 2/1/2005

No content is banned per E.U. RoHS. Average mass of 44 trimmer is 0.17 gram each. Prepared by Eric Arnold (714) 447-2565

Weights above 1 milligram rounded to the nearest mg. Values less than 1 milligram given in scientific notation.

Sub-component	Material	% of total mass	Substance name	CAS #	Substance Weight (grams)	Special classification
Housing	PEEK blend	39.0%	polyetherether ketone	29658-26-2	0.047	
			fiberglass	65997-17-3	0.020	
Shaft	Brass	9.3%	Cu	7440-50-8	0.010	
			Zn	7440-66-6	0.006	
			Pb in brass	7439-92-1	4.960E-04	Pb in copper alloy (RoHS 6c)
	Lubricant	0.12%	trifluoropropylmethyl siloxane, trimethyl-terminated	63148-56-1	1.20E-04	
Rotor	PTFE	10.4%	trade secret	unknown	8.00E-05	non-hazardous
			PTFE	009002-84-0	0.018	
	Lubricant	0.23%	C.I. Yellow	19125-99-6	4.00E-06	
Contact	Pd alloy wire	0.35%	trade secret	unknown	3.96E-04	non-hazardous
			Ag	7440-22-4	2.40E-04	
			Cu	7440-50-8	1.50E-04	
			Ni	7440-02-0	4.20E-05	
			Pd	7440-05-3	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	
Terminals	Cu wire	2.1%	trade secret	unknown	1.00E-04	non-hazardous
			Cu	7440-50-8	0.004	
	Sn plating	0.27%	Sn	7440-31-5	4.57E-04	
Potting	Epoxy	16.0%	SiO2, amorphous	7631-86-9	0.001	
			modified aliphatic polyamine	trade secret	0.006	
			hydantoin epoxy resin	15336-82-0	0.001	
			epichlorohydrin / polyglycol epoxy resin	26142-30-3	0.001	
			epichlorohydrin/bisphenol A epoxy resin	unknown	0.017	contains BPA
			epoxy resin	unknown	0.017	
			cycloaliphatic epoxy resin	2386-87-0	0.001	
Substrate	Alumina	20.6%	Al2O3	1344-28-1	0.034	
			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	
			Al2O3	1344-28-1	4.07E-06	
			SiO2, amorphous	7631-86-9	1.78E-05	
			TiO2	13463-67-7	4.07E-06	
Conductor	AgPd thick film	0.35%	PbO	1317-36-8	2.43E-05	Pb in electronic ceramic (RoHS 7c-1)
			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	7440-05-3	5.40E-05	
			Al2O3	1344-28-1	1.46E-05	
			SiO2, amorphous	7631-86-9	1.23E-04	
			TiO2	13463-67-7	1.46E-05	
			Resistor	Ruthenate thick film	0.64%	MnO2
PbO	1317-36-8	3.22E-04				Pb in electronic ceramic (RoHS 7c-1)
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	7440-05-3	5.05E-05				
Steatite	14807-96-6	2.20E-06				
Bi2Ru2O6	unknown	4.95E-05				
Pb2Ru2O6+x	unknown	3.52E-04				Pb in electronic ceramic (RoHS 7c-1)
RuO2	12036-10-1	2.31E-05				