

Model 72 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 72 trimmer is 0.77 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	PBT blend	34.7%	PBT	26062-94-2	0.201				
			Fiberglass	65997-17-3	0.054				
			SbO	1309-64-4	0.013	Fire retardant			
O-ring	silicone rubber	1.0%	methylvinyldipolysiloxane trade secret	68083-18-1 unknown	0.006 0.001	non-hazardous			
Ball	440C steel	0.5%	Cr(0)	7440-47-3	0.001				
			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				
			S	7704-34-9	1.16E-06				
			Si	7440-21-3	3.86E-05				
Rotor	PBT blend	10.0%	PBT	26062-94-2	0.058				
			Fiberglass	65997-17-3	0.015				
			SbO	1309-64-4	0.004				
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	12.6%	Cu	7440-50-8	0.098	
Sn plating	0.002%	Sn		7440-31-5	1.73E-05				
Potting	Epoxy	14.3%	SiO2, amorphous	7631-86-9	0.006				
			modified aliphatic polyamine	trade secret	0.022				
			hydantoin epoxy resin	15336-82-0	0.006				
			epichlorohydrin / polyglycol epoxy resin	26142-30-3	0.006				
			epichlorohydrin/bisphenol A epoxy resin	unknown	0.066	BPA			
			cycloaliphatic epoxy resin	2386-87-0	0.006				
Substrate	Alumina	26.5%	Al2O3	1344-28-1	0.196				
			SiO2, amorphous	7631-86-9	0.002				
			TiO2	13463-67-7	0.001				
			FeO2	1345-25-1	0.001				
			MnO2	1313-13-9	0.002				
			MgO	1309-48-4	0.001				
			CaO	1305-78-8	0.001				
			Conductor	AgPd thick film	0.10%	Al2O3	1344-28-1	5.42E-06	
SiO2, amorphous	7631-86-9	2.38E-05							
TiO2	13463-67-7	5.42E-06							
PbO	1317-36-8	3.24E-05				Pb in electronic ceramic (RoHS 7c-1)			
ZnO	1314-13-2	5.88E-06							
B2O3	1303-86-2	2.00E-06							
ZrO2	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	0.13%				Al2O3	1344-28-1	1.33E-05	
						SiO2, amorphous	7631-86-9	1.12E-04	
			TiO2	13463-67-7	1.33E-05				
			MnO2	1313-13-9	6.00E-06				
			PbO	1317-36-8	2.92E-04	Pb in electronic ceramic (RoHS 7c-1)			
			ZnO	1314-13-2	3.19E-05				
			B2O3	1303-86-2	3.73E-05				
			ZrO2	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				
			Bi2Ru2O6	unknown	4.50E-05				
			Pb2Ru2O6+x	unknown	3.20E-04	Pb in electronic ceramic (RoHS 7c-1)			
			RuO2	12036-10-1	2.10E-05				