

M89LF summary material content, BI technologies Corporation

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No content here is banned per E.U. RoHS. Prepared by Eric Arnold (714) 447-2565
 Average mass of M89LF trimmer is 1.2 grams each. Very small weights are in scientific notation

Material name	also known as	CAS #	Weight per unit (grams)	Special classification
Ag	silver	7440-22-4	0.00056	
Al2O3	aluminum oxide, alumina	1344-28-1	0.23276	
B2O3	boron oxide	1303-86-2	0.00004	
BaO	barium oxide, baryta	1304-28-5	2.169E-05	
Bi2Ru2O6		?	4.995E-05	
C	carbon	7440-44-0	6.000E-07	
CaO	calcium oxide, quicklime	1305-78-8	0.00121	
Cu	copper	7440-50-8	0.27784	
cycloaliphatic epoxy resin	non-glycidyl epoxy resin	2386-87-0	0.00675	
epichlorohydrin / polyglycol epoxy resin	epichlorohydrin is aka ECH	26142-30-3	0.00675	
epichlorohydrin/ bisphenol A epoxy resin	glycidyl-ether epoxy resin	?	0.08099	
Fe	iron	7439-89-6	0.00015	
FeO2	iron (III) oxide, ferric oxide	1345-25-1	0.00121	
Fiberglass		65997-17-3	0.08626	
hydantoin epoxy resin	hydantoin is aka glycolyl urea	15336-82-0	0.00675	
MgO	magnesium oxide	1309-48-4	0.00121	
Mn	manganese	7439-96-5	2.500E-06	
MnO2	manganese dioxide or oxide	1313-13-9	0.00243	
modified aliphatic polyamine	typical epoxy hardener	trade secret	0.02700	
Ni	nickel	7440-02-0	0.00112	
Pb in brass	lead in copper alloy	7439-92-1	0.01093	Lead in copper alloy, exempted (<4%)
Pb2Ru2O6	lead ruthenate	?	0.00036	Lead in electronic ceramic, exempted
PbO	lead oxide	1317-36-8	0.00035	Lead in electronic ceramic, exempted
PBT	polybutylene terephthalate	26062-94-2	0.32160	
Pd	palladium	7440-05-3	0.00011	
PTFE	polytetrafluoroethylene (Teflon)	009002-84-0	0.00075	
RuO2	Ruthenium dioxide or oxide	12036-10-1	0.00002	
S	sulfur	7704-34-9	5.000E-07	
SbO	antimony oxide	1309-64-4	0.02018	
Si	silicon	7440-21-3	5.000E-08	
SiO2, amorphous	silicon dioxide, silica	7631-86-9	0.00932	
Sn	tin	7440-31-5	0.00002	
Steatite	magnesium silicate hydroxide or soap-stone	14807-96-6	2.220E-06	
TiO2	titanium dioxide, titania	13463-67-7	0.00123	
Zn	zinc	7440-66-6	0.12528	
ZnO	zinc oxide, zinc white	1314-13-2	4.014E-05	
ZrO2	zirconium oxide	1314-23-4	1.032E-05	
Sum of components =			1.2233	