

**M82LF summary material content, BI technologies Corporation**

1/3/2005

No content here is banned per E.U. RoHS. Prepared by Eric Arnold (714) 447-2565

Average mass of M82LF trimmer is 0.3373 grams each. Scientific notation is used for all component masses.

<b>Material name</b>	<b>also known as</b>	<b>CAS #</b>	<b>Weight per unit (grams)</b>	<b>Special classification</b>
Ag	silver	7440-22-4	3.30E-04	
Al <sub>2</sub> O <sub>3</sub>	aluminum oxide, alumina	1344-28-1	1.17E-01	
B <sub>2</sub> O <sub>3</sub>	boron oxide	1303-86-2	8.46E-06	
BaO	barium oxide, baryta	1304-28-5	6.10E-06	
Bi <sub>2</sub> Ru <sub>2</sub> O <sub>6</sub>	bismuth ruthenium oxide	?	9.00E-06	
C	carbon	7440-44-0	6.00E-07	
CaO	calcium oxide, quicklime	1305-78-8	6.09E-04	
Cu	copper	7440-50-8	1.25E-01	
Fe	iron	7439-89-6	1.50E-04	
FeO <sub>2</sub>	iron (III) oxide, ferric oxide	1345-25-1	6.09E-04	
methylvinyl polysiloxane	silicone rubber	68083-18-1	3.05E-03	
MgO	magnesium oxide	1309-48-4	6.09E-04	
Mn	manganese	7439-96-5	2.50E-06	
MnO <sub>2</sub>	manganese dioxide or oxide	1313-13-9	1.22E-03	
Ni	nickel	7440-02-0	2.03E-02	
Pb <sub>2</sub> Ru <sub>2</sub> O <sub>6+x</sub>	lead ruthenate	?	6.40E-05	lead in electronic ceramic
PbO	lead oxide	1317-36-8	7.47E-05	lead in electronic ceramic
Pd	palladium	7440-05-3	4.52E-05	
polyphenylene sulphide	PPS, Ryton (one trade name)	26125-40-6	3.77E-02	
RuO <sub>2</sub>	ruthenium dioxide or oxide	12036-10-1	4.20E-06	
S	sulfur	7704-34-9	5.00E-08	
Si	silicon	7440-21-3	5.00E-07	
SiO <sub>2</sub> , amorphous	silicon dioxide, silica	7631-86-9	1.25E-03	
Sn	tin	7440-31-5	2.54E-05	
Steatite	magnesium silicate hydroxide or soap-stone	14807-96-6	4.00E-07	
TiO <sub>2</sub>	titanium dioxide, titania	13463-67-7	6.14E-04	
unknown	trade secret per MSDS	n/a	1.02E-02	non-hazard per MSDS
Zn	zinc	7440-66-6	1.85E-02	
ZnO	zinc oxide, zinc white	1314-13-2	9.33E-06	
ZrO <sub>2</sub>	zirconium oxide	1314-23-4	2.03E-06	
<b>Sum of components =</b>			0.3373	