

**M82 summary material content, BI technologies Corporation**

1/28/2004

Highlighted line items are banned in 2006 per E.U. R.o.H.S.. Prepared by Eric Arnold (714) 447-2565  
 Average mass of M82 trimmer is 0.3373 grams each. Scientific notation is used for all component masses.

Material name	also known as	CAS #	Weight per unit (grams)	Special classification
Ag	silver	7440-22-4	3.30E-04	
Al2O3	aluminum oxide, alumina	1344-28-1	1.17E-01	
B2O3	boron oxide	1303-86-2	8.46E-06	
BaO	barium oxide, baryta	1304-28-5	6.10E-06	
Bi2Ru2O6	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	
FeO2	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	
MnO2	manganese dioxide or oxide	1313-13-9	1.22E-03	
Ni	nickel	7440-02-0	2.03E-02	
<b>Pb</b>	<b>lead</b>	<b>7439-92-1</b>	<b>1.10E-06</b>	lead in plating finish subject to ban under E.U. RoHS
Pb2Ru2O6+x	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	
RuO2	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	
SiO2, amorphous	silicon dioxide, silica	7631-86-9	1.25E-03	
Sn	tin	7440-31-5	2.09E-05	
Steatite	magnesium silicate hydroxide or soap-stone	14807-96-6	4.00E-07	
TiO2	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	
ZrO2	zirconium oxide	1314-23-4	2.03E-06	
Sum of components listed:			0.3373	