

**M68LF 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 total mass of M68LF is 0.9486 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	6.83E-04	
Al2O3	aluminum oxide, alumina	1344-28-1	1.96E-01	
B2O3	boron oxide	1303-86-2	3.93E-05	
BaO	barium oxide, baryta	1304-28-5	2.13E-05	
Bi2Ru2O6	bismuth ruthenate		4.50E-05	
C	carbon	7440-44-0	6.00E-07	
CaO	calcium oxide, quicklime	1305-78-8	1.02E-03	
Cu	copper	7440-50-8	1.53E-01	
cycloaliphatic epoxy resin	non-glycidyl epoxy resin	2386-87-0	4.06E-03	
epichlorohydrin / polyglycol epoxy resin	epichlorohydrin is aka ECH resin	26142-30-3	4.06E-03	
epichlorohydrin/bisphenol A epoxy resin	glycidyl-ether epoxy resin	?	4.88E-02	
Fe	iron	7439-89-6	1.50E-04	
FeO2	iron (III) oxide, ferric oxide	1345-25-1	1.02E-03	
Fiberglass	glass bead or fiber	65997-17-3	7.89E-02	
hydantoin epoxy resin	hydantoin is aka glycolyl urea	15336-82-0	4.06E-03	
MgO	magnesium oxide	1309-48-4	1.02E-03	
Mn	manganese	7439-96-5	2.50E-06	
MnO2	manganese dioxide or oxide	1313-13-9	2.05E-03	
modified aliphatic polyamine	typical epoxy hardener	trade secret	1.63E-02	
Ni	nickel	7440-02-0	2.92E-03	
Pb in brass	lead in brass	7439-92-1	2.77E-03	lead in brass, exempted in RoHS
Pb2Ru2O6+x	lead ruthenate	?	3.20E-04	lead in electronic ceramic, exempted in RoHS
PbO	lead oxide	1317-36-8	3.25E-04	lead in electronic ceramic, exempted in RoHS
PBT	polybutylene terephthalate	26062-94-2	2.96E-01	
Pd	palladium	7440-05-3	1.18E-04	
PTFE	polytetrafluoroethylene (Teflon)	009002-84-0	7.52E-02	
RuO2	Ruthenium dioxide or oxide	12036-10-1	2.10E-05	
S	sulfur	7704-34-9	5.00E-08	
SbO3	antimony oxide	1309-64-4	1.97E-02	
Si	silicon	7440-21-3	5.00E-07	
SiO2, amorphous	silicon dioxide, silica	7631-86-9	6.24E-03	
Sn	tin	7440-31-5	3.39E-05	
Steatite	magnesium silicate hydroxide or soap-stone	14807-96-6	2.00E-06	
TiO2	titanium dioxide, titania	13463-67-7	1.04E-03	
Zn	zinc	7440-66-6	3.20E-02	
ZnO	zinc oxide, zinc white	1314-13-2	3.78E-05	
ZrO2	zirconium oxide	1314-23-4	9.43E-06	
<b>Sum of components =</b>			0.9486	