

NQS24 w/Green mold compound summary material content, BI Technologies Corp.

8/27/2007

Highlighted line item is banned per E.U. RoHS. Prepared by Eric Arnold (714) 447-2565

Average mass of NQS24 Thin Film network is 0.123 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	1.94E-03	
Al2O3	aluminum oxide, alumina	1344-28-1	8.95E-03	
Au	gold	7440-57-5	5.55E-05	
BCB	dvs-BCB, divinylsiloxane-bis-benzocyclobutene	124221-30-3	5.16E-06	
carbon black	lamp black, acetylene black	1333-86-4	3.43E-04	
CaO	calcium oxide, quicklime	1305-78-8	2.25E-06	
Cu	copper	7440-50-8	4.03E-02	
epoxy curing agent		trade secret	2.10E-05	
epoxy resin		trade secret	1.89E-04	
epoxy resin, cresol novolac		29690-82-2	1.37E-03	
Fe	iron	7439-89-6	9.72E-04	
FeO2	iron (III) oxide, ferric oxide	1345-25-1	4.49E-06	
MgO	magnesium oxide	1309-48-4	2.25E-06	
MnO2	manganese dioxide or oxide	1313-13-9	8.99E-06	
Ni	nickel	7440-02-0	2.30E-07	
NiCrOx	nichrome	combination of 7440-02-0, 7440-47-3, & 1308-38-9	1.61E-07	
P	phosphorous, red or amorphous	7723-14-0	1.24E-05	
Pb	lead	7439-92-1	8.10E-04	E.U. RoHS banned material, SnPb plating on leadframe
SiO2, amorphous	silicon dioxide, silica	7631-86-9	1.35E-05	
SiO2, fused silica	silica glass	60676-86-0	6.00E-02	
Sn	tin	7440-31-5	1.22E-03	
TiO2	titanium dioxide, titania	13463-67-7	4.49E-06	
trade secret (not on MSDS or no MSDS)		n/a	6.91E-03	Non-hazardous and not regulated
Zn	zinc	7440-66-6	4.97E-05	
		Sum of all components	1.23E-01	