

NQS24LF w/Green mold compound summary material content, BI Technologies Corp.

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

Average mass of NQS24LF 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 | |
| Al ₂ O ₃ | 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 | 4.06E-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 | 9.79E-04 | |
| FeO ₂ | iron (III) oxide, ferric oxide | 1345-25-1 | 4.49E-06 | |
| MgO | magnesium oxide | 1309-48-4 | 2.25E-06 | |
| MnO ₂ | 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 | 1.25E-05 | |
| SiO ₂ , amorphous | silicon dioxide, silica | 7631-86-9 | 1.35E-05 | |
| SiO ₂ , fused silica | silica glass | 60676-86-0 | 6.00E-02 | |
| Sn | tin | 7440-31-5 | 1.75E-03 | |
| TiO ₂ | 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 | 5.00E-05 | |
| | | Sum of all components | 1.23E-01 | |