



Apex Microtechnology

Materials Substance Report

Model: PA79DK

Print Time: 5/30/2014 10:07 AM

RoHS Compliant: Yes

Lead Free: Yes

| Die Substances | Total Weight (g) |
|--|-------------------------|
| Die 1: Silicon | 1.097E-02 |
| Die 2: Silicon | 1.097E-02 |
| Bisphenol F epoxy resin | 2.010E-04 |
| Amine | 4.019E-05 |
| Mixed aryl allyl glycidyl compounds | 4.019E-05 |
| Silver | 1.507E-03 |
| Epoxy resin | 4.019E-05 |
| γ-Butyrolactone | 1.407E-04 |
| 1,3-Di-2-propenyl-2-(2-propenyloxy) benzene,epoxidized | 4.019E-05 |
| Lead Frame Substances | Total Weight (g) |
| Copper | 1.826E+00 |
| Gold | 2.105E-05 |
| Iron | 2.749E-03 |
| Nickel | 1.131E-03 |
| Lead Frame Substances Cont. | Total Weight (g) |
| Palladium | 1.519E-04 |
| Zinc | 1.382E-04 |
| Phosphorus | 1.071E-04 |
| Mold Substances | Total Weight (g) |
| Epoxy Resin A | 2.038E-02 |
| Epoxy Resin B | 6.792E-03 |
| Brominated Epoxy Resin | 1.698E-03 |
| Phenol Resin | 1.019E-02 |
| Silica(Amorphous) A | 2.785E-01 |



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Mold Substances Cont.

Total Weight (g)

Silica(Amorphous) B 1.019E-02

Antimony Oxide 1.019E-02

Carbon Black 1.698E-03

Wire Substances

Total Weight (g)

Au 2.433E-03



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Substances Present in This Model

| Substance | Total Weight (g) |
|--|------------------|
| Silicon | 1.10E-02 |
| Silicon | 1.10E-02 |
| Au | 2.43E-03 |
| Epoxy Resin A | 2.04E-02 |
| Epoxy Resin B | 6.79E-03 |
| Brominated Epoxy Resin | 1.70E-03 |
| Phenol Resin | 1.02E-02 |
| Silica(Amorphous) A | 2.78E-01 |
| Silica(Amorphous) B | 1.02E-02 |
| Antimony Oxide | 1.02E-02 |
| Carbon Black | 1.70E-03 |
| Copper | 1.83E+00 |
| Gold | 2.10E-05 |
| Iron | 2.75E-03 |
| Nickel | 1.13E-03 |
| Palladium | 1.52E-04 |
| Zinc | 1.38E-04 |
| Phosphorus | 1.07E-04 |
| Bisphenol F epoxy resin | 2.01E-04 |
| Amine | 4.02E-05 |
| Mixed aryl allyl glycidyl compounds | 4.02E-05 |
| Silver | 1.51E-03 |
| Epoxy resin | 4.02E-05 |
| γ -Butyrolactone | 1.41E-04 |
| 1,3-Di-2-propenyl-2-(2-propenyloxy) benzene,epoxidized | 4.02E-05 |
| Sum of all Substances (g) | 2.196E+00 |