



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