


MATERIAL DECLARATION SHEET



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|-----------------|--------------------|-----|---|---|
| Material Number | SF-3812SP-T | | |  |
| Product Line | Time Lag SMD Fuses | | | |
| Compliance Date | 2018/12/21 | | | |
| RoHS Compliant | Yes | MSL | 1 | |

| No. | Construction Element(subpart) | Homogeneous Material | Material weight [mg] | Homogeneous Material Substances | CASRN if applicable | Materials Mass % | Material Mass % of total unit wt. | Subpart mass of total wt. (%) |
|-----|-------------------------------|--------------------------------|----------------------|---------------------------------|---------------------|------------------|-----------------------------------|-------------------------------|
| 1 | Fuse element wire | Copper Alloy | 5.68 | Copper Alloy | 7440-50-8 | 100% | 1.73% | 1.734% |
| 2 | Glass fiber | Fiberglass Continuous Filament | 13.00 | Fiberglass Continuous Filament | 65997-17-3 | 100% | 3.97% | 3.968% |
| 3 | Cap | Copper | 52.224 | Copper | 7440-50-8 | 68% | 15.94% | 23.445% |
| | | Zinc | 23.424 | Zinc | 7440-66-6 | 30.5% | 7.15% | |
| | | Nickel | 0.768 | Nickel | 7440-02-0 | 1% | 0.23% | |
| | | Gold | 0.384 | Gold | 7440-57-5 | 0.5% | 0.12% | |
| 4 | Solder | Tin | 0.06 | Tin | 7440-31-5 | 5% | 0.02% | 0.366% |
| | | Lead | 1.112 | Lead | 7439-92-1 | 92.7% | 0.34% | |
| | | Polymerized Rosin | 0.016 | Polymerized Rosin | 8050/9/7 | 1.3% | 0.005% | |
| | | Hexadecanoic acid | 0.012 | Hexadecanoic acid | 57-10-3 | 1% | 0.004% | |
| 5 | Marking ink | Acrylic Resin | 0.299 | Acrylic Resin | 68901-05-3 | 23% | 0.09% | 0.397% |
| | | Photoinitiator | 0.039 | Photoinitiator | 71868-10-5 | 3% | 0.01% | |
| | | Carbon Black | 0.026 | Carbon Black | 1333-86-4 | 2% | 0.01% | |
| | | Talc | 0.455 | Talc | 14807-96-6 | 35% | 0.14% | |
| | | Ethylene Glycol Methacrylate | 0.481 | Ethylene Glycol Methacrylate | 868-77-9 | 37% | 0.15% | |
| 6 | Ceramic tube | Alumina | 109.6 | Alumina | 1344-28-1 | 100% | 33.46% | 33.457% |

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|---|----------|--|--------|--|------------|--------|--------|---------|
| 7 | Silicone | Quartz | 40.116 | Quartz | 14808-60-7 | 33.43% | 12.246 | 36.633% |
| | | Monovinyl terminated dimethyl (nonane and polyoxyalkylene) | 24.228 | Monovinyl terminated dimethyl (nonane and polyoxyalkylene) | 68083-19-2 | 20.19% | 7.396 | |
| | | Vinyl MQ resin mixture | 24.228 | Vinyl MQ resin mixture | 68988-89-6 | 20.19% | 7.396 | |
| | | Dimethylmethyl-hydrogen (nonanediol and polyoxyalkylene) | 24.228 | Dimethylmethylhydrogen (nonanediol and polyoxyalkylene) | 68037-59-2 | 20.19% | 7.396 | |
| | | Alumina | 7.20 | Alumina | 1344-28-1 | 6% | 2.199 | |
| | | Total Weight | 327.58 | | | | | |

This Document was updated on: 2019/06/11

Important remarks: It is the responsibility of the user to verify they are accessing the latest version.