

# Fair-Rite P/N **2773037447**

## 73 Material Grade

## Nominal Chemical Composition

| <u>Compound</u> | <u>CAS Number</u> | <u>wt %</u> | Wt of core (g)=<br><b>0.414</b> | Compound Weight<br>(g) Breakdown of<br>73 Material |
|-----------------|-------------------|-------------|---------------------------------|--|
| Fe2O3           | 1309-37-1         | 67          | 0.277                           |  |
| ZnO             | 1314-13-2         | 14          | 0.058                           |  |
| MnO             | 1344-43-0         | 19          | 0.079                           |  |

## Pb- Free Plated Flat Cu Wire

| <u>Element</u> | <u>CAS Number</u> | <u>wt%</u> | Wt of wire (g)=<br><b>0.028</b> | Element Weight (g)<br>Breakdown of Pb-<br>Free Plated Flat Cu<br>Wire |
|----------------|-------------------|------------|---------------------------------|---|
| Cu             | 7440-50-8         | 94.8       | 0.02654                         |   |
| Plating:       |                   |            |                                 |   |
| Ni             | 7440-02-0         | 1.7        | 0.00048                         |   |
| Sn             | 7440-31-5         | 3.5        | 0.00098                         |   |

## Parylene Coating

| <u>Compound</u> | <u>CAS Number</u> | <u>wt%</u> | Wt of Parylene (g)=<br><b>0.008</b> | Compound Weight<br>(g) Breakdown of<br>Parylene Coating |
|-----------------|-------------------|------------|-------------------------------------|---|
| Parylene        | 28804-46-8        | 100        | 0.008                               |   |
|                 |                   |            |                                     |   |
|                 |                   |            |                                     |   |

## Calculated Maximum Levels of RoHS Restricted Substances Present in 73 Material Grade

| <u>Impurity Substance</u>          | <u>RoHS Threshold (ppm)</u> | <u>ppm</u> | Wt of core (g)=<br><b>0.414</b> | RoHS Impurity<br>Substance Weight<br>(g) Breakdown of 73<br>Material |
|------------------------------------|-----------------------------|------------|---------------------------------|--|
| Cr+6                               | 1000                        | 0.00       | 2.6544E-06                      |  |
| Cd                                 | 100                         | 3.70       | 0                               |  |
| Hg                                 | 1000                        | 0.10       | 4.76E-08                        |  |
| Pb                                 | 1000                        | 8.25       | 0.000000098                     |  |
| PBB                                | 1000                        | 0.00       | 0                               |  |
| PBDE                               | 1000                        | 0.00       | 0                               |  |
| Bis(2-Ethylhexyl) phthalate (DEHP) | 1000                        | 0.00       | 0                               |  |
| Benzyl butyl phthalate (BBP)       | 1000                        | 0.00       | 0                               |  |
| Dibutyl phthalate (DBP)            | 1000                        | 0.00       | 0                               |  |
| Diisobutyl phthalate (DIBP)        | 1000                        | 0.00       | 0                               |  |

### Supporting notes:

1. P/N 2773037447 consists of:
  - a core 73 Material Grade
  - b wire Pb- Free Plated Flat Cu Wire
2. Moisture Sensitivity Level (MSL)= 1
3. Max Reflow Temp= 260 degC
4. Max Time at Max Reflow Temp= 40 sec
5. RoHS 6/6 Compliant Terminations/ Wire are backwards compatible with standard Soldering Processes
6. RoHS Conversion Date= 1/1/2005
7. RoHS Compliance Marking is Contained on Shipping Labels