

# Fair-Rite P/N **2752041447**

## 52 Material Grade

## Nominal Chemical Composition

<u>Compound</u>	<u>CAS Number</u>	<u>wt %</u>	Wt of core (g)=	
			<b>0.49</b>	
Fe2O3	1309-37-1	63	0.3087	Compound Weight (g) Breakdown of 52 Material
ZnO	1314-13-2	17	0.0833	
NiO	1313-99-1	14	0.0686	
CuO	1317-38-0	5	0.0245	
CoO	1307-96-6	1	0.0049	

## Pb- Free Plated Flat Cu Wire

<u>Element</u>	<u>CAS Number</u>	<u>wt%</u>	Wt of wire (g)=	
			<b>0.04</b>	
Cu	7440-50-8	93.3	0.03732	Element Weight (g) Breakdown of Pb- Free Plated Flat Cu Wire
Plating:				
Ni	7440-02-0	2.2	0.00088	
Sn	7440-31-5	4.5	0.00180	

## Calculated Maximum Levels of RoHS Restricted Substances Present in 52 Material Grade

<u>Impurity Substance</u>	<u>RoHS Threshold (ppm)</u>	<u>ppm</u>	Wt of core (g)=	
			<b>0.490</b>	
Cr+6	1000	0.00	0	RoHS Impurity Substance Weight (g) Breakdown of 52 Material
<b>Cd</b>	100	<b>4.93</b>	2.4157E-06	
<b>Hg</b>	1000	<b>0.13</b>	6.37E-08	
<b>Pb</b>	1000	<b>9.30</b>	0.000004557	
PBB	1000	0.00	0	
PBDE	1000	0.00	0	

### Supporting notes:

1. P/N 2752041447 consists of:
  - a core 52 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