

# Fair-Rite P/N **2743004112**

## 43 Material Grade

## Nominal Chemical Composition

<u>Compound</u>	<u>CAS Number</u>	<u>wt %</u>	Wt of core (g)= <b>0.319</b>	Compound Weight (g) Breakdown of 43 Material
Fe2O3	1309-37-1	65	0.20735	
ZnO	1314-13-2	21	0.06699	
NiO	1313-99-1	10	0.03190	
CuO	1317-38-0	4	0.01276	

## Pb- Free Plated Round Cu Wire

<u>Element</u>	<u>CAS Number</u>	<u>wt%</u>	Wt of wire (g)= <b>0.181</b>	Element Weight (g) Breakdown of Pb- Free Plated Round Cu Wire
Cu	7440-50-8	94.4	0.17086	
Plating:				
Ni	7440-02-0	0.9	0.00163	
Sn	7440-31-5	4.7	0.00851	

## Calculated Maximum Levels of RoHS Restricted Substances Present in 43 Material Grade

<u>Impurity Substance</u>	<u>RoHS Threshold (ppm)</u>	<u>ppm</u>	Wt of core (g)= <b>0.319</b>	RoHS Impurity Substance Weight (g) Breakdown of 43 Material
Cr+6	1000	0.00	0	
<b>Cd</b>	<b>100</b>	<b>6.10</b>	0.000001946	
<b>Hg</b>	<b>1000</b>	<b>0.10</b>	0.000000032	
<b>Pb</b>	<b>1000</b>	<b>11.00</b>	0.000003509	
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:

- P/N 2743004112 consists of:
  - core 43 Material Grade
  - wire Pb- Free Plated Round Cu Wire
- Moisture Sensitivity Level (MSL)= 1
- Max Reflow Temp= 260 degC
- Max Time at Max Reflow Temp= 40 sec
- RoHS 6/6 Compliant Terminations/ Wire are backwards compatible with standard Soldering Processes
- RoHS Conversion Date= 1/1/2005  
RoHS Compliance Marking is
- Contained on Shipping Labels
- Total weight= 0.150 g