

# Fair-Rite P/N **2743021447**

## 43 Material Grade

## Nominal Chemical Composition

Supporting notes:

1. P/N 2743021447 consists of:
  - a core 43 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  
RoHS 6/6 Compliant Terminations/ Wire are
5. backwards compatible with standard Soldering Processes
6. RoHS Conversion Date= 1/1/2005  
RoHS Compliance Marking is
7. Contained on Shipping Labels
8. Total weight= 0.150 g

<u>Compound</u>	<u>CAS Number</u>	<u>wt %</u>	Wt of core (g)= <b>0.278</b>	Compound Weight (g) Breakdown of 43 Material
Fe2O3	1309-37-1	65	0.1807	
ZnO	1314-13-2	21	0.0584	
NiO	1313-99-1	10	0.0278	
CuO	1317-38-0	4	0.0111	

## Pb- Free Plated Flat Cu Wire

<u>Element</u>	<u>CAS Number</u>	<u>wt%</u>	Wt of wire (g)= <b>0.022</b>	Element Weight (g) Breakdown of Pb- Free Plated Flat Cu Wire
Cu	7440-50-8	94.8	0.02086	
Plating:				
Ni	7440-02-0	1.7	0.00037	
Sn	7440-31-5	3.5	0.00077	

## Calculated Maximum Levels of RoHS3 (EU Directive 2015/863 ) Restricted Substances Present in 43 Material Grade

<u>Impurity Substance</u>	<u>RoHS Threshold (ppm)</u>	<u>ppm</u>	Wt of core (g)= <b>0.278</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>	0.000001696	
<b>Hg</b>	<b>1000</b>	<b>0.10</b>	0.000000028	
<b>Pb</b>	<b>1000</b>	<b>11.00</b>	0.000003058	
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	