

**Fair-Rite P/N 2761021447**

**61 Material Grade**

**Nominal Chemical Composition**

Supporting notes:

1. P/N 2761021447 consists of:
  - a core 61 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  
RoHS Compliance Marking is
7. Contained on Shipping Labels

<u>Compound</u>	<u>CAS Number</u>	<u>wt %</u>	Wt of core (g)=	
			<b>0.278</b>	
Fe2O3	1309-37-1	72	0.20016	Compound Weight (g) Breakdown of 61 Material
ZnO	1314-13-2	13	0.03614	
NiO	1313-99-1	11	0.03058	
MnO	1344-43-0	2	0.00556	
CuO	1317-38-0	1	0.00278	
CoO	1307-96-6	1	0.00278	

**Pb- Free Plated Flat Cu Wire**

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

**Calculated Maximum Levels of RoHS Restricted Substances Present in 61 Material Grade**

<u>Impurity Substance</u>	<u>RoHS Threshold (ppm)</u>	<u>ppm</u>	Wt of core (g)=	
			<b>0.000</b>	
Hexavalent chromium (Cr+6)	1000	0.00	2.0856E-06	RoHS Impurity Substance Weight (g) Breakdown of 61 Material
Cadmium (Cd)	100	3.70	0	
Mercury (Hg)	1000	0.10	3.74E-08	
Lead (Pb)	1000	7.00	0.000000077	
Polybrominated biphenyl (PBB)	1000	0.00	0	
Polybrominated diphenyl (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	