HLP 84Y LITHARGE

ELECTRONIC GRADE

Application

This material is used as a source of lead in glass and polymer stabilizers. Grade 84Y is extensively milled to achieve the finest particle size and the maximum reactivity. Electronic grade material is produced at lower temperatures than standard grade material, resulting in less fusion between particles and minimized distortion within the crystal lattice yielding enhanced reactivity.

Physical Properties

Color.....Yellow
Form.....fine powder
Specific Gravity..... 9.5 g/cc
Apparent Density.....13 - 16 g/cu.in.
Molecular Weight.....223.21
Refractive Index.....2.67
Melting Point.....1630°F. (888°C.)
Median Particle Size.....1.0 - 2.0 µm
Screen Analysis.....99.97% < 325 mesh
(U.S. Standard Sieve)

Chemical Composition

Element	Range
PbO (litharge)	99.85% minimum
Pb (free lead)	0.10% maximum
Pb_3O_4 (red lead)	0.05% maximum

Trace Elements

Trace Elements	Maximum (%)	Typical (%)
Fe_2O_3	0.0010	0.0002
ZnO	0.0008	0.0004
Cu_2O	0.0005	0.0003
Ag	0.0010	0.0006
Bi_2O_3	0.0100	< 0.0010
As_2O_5,Sb_2O_3,SnO_2	0.0009	< 0.0005
Ni, Te Th, Cd	0.0006	< 0.0004
Co, Cr, Mn, Se	0.0002	< 0.0001

Packaging
50 lb. / 22.68 kg Polyethylene bags
Special packaging may be available upon request

Note:

This data sheet illustrates typical values for this product. If specific characteristics are required that are different from these values, please contact your area sales representative.

HAMMOND LEAD PRODUCTS
A division of H mmond Group, Inc.

1414 Field St. Hammond, IN 46320
T+ (219) 931-9360 F+(219) 931-2140
Email: info@hammondlead.com