

Application

This is a high purity, free flowing, powdered litharge of uniform particle size. It is used as active material in valve regulated and other specialty batteries.

Physical Properties

Color..... Yellow
Form..... powder
Specific Gravity..... 9.5 g/cc
Apparent Density..... 26 - 32g/cu.in.
Molecular Weight..... 223.21
Refractive Index..... 2.67
Acid Absorption..... 130 - 160 mg/g.
Melting Point..... 1630°F. (888°C.)
Median Particle Size..... 3-5 µm
Screen Analysis..... 0.05% > 325 mesh
99.5% < 325 mesh

(U.S. Standard Sieve)

Chemical Composition

Element	Range
PbO (litharge)	99.85% minimum
Pb (free lead)	0.15% maximum
Pb ₃ O ₄ (red lead)	0.05% maximum

Trace Elements

Trace Elements	Maximum (%)	Typical (%)
Fe	0.0020	0.0007
Zn	0.0008	0.0003
Cu	0.0007	0.0003
Ag	0.0050	0.00015
Bi	0.0270	0.0022
As, Sb, Sn	0.0010	< 0.0004
Ni, Te, Th, Cd	0.0018	< 0.0005
Co, Cr, Mn, Se	0.0002	< 0.0001

Packaging
50 lb. / 22.68 kg Paper bags / Pails
28-gallon steel drums (700 lbs. / 317.51 kg)
Sling bags (< 2,000 lbs. / 907.19 kg)
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.



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