

Application

This material is used as a source of lead in glass and polymer stabilizers where higher purity is required. Electronic grade 100Y is milled to achieve a fine, narrow particle size range for enhanced reactivity and the greatest degree of consistency in solid state reactions.

Physical Properties

Color.....Yellow
Form..... powder
Density..... 9.5 g/cc
Apparent Density.....24 - 30 g/cu.in.
Molecular Weight.....223.21
Refractive Index.....2.67
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

Pb0 (litharge)	99.85% minimum
Pb (free lead)	0.10% maximum
Pb ₃ O ₄ (red lead)	0.05% maximum

Trace Elements

Trace Elements	Maximum (%)	Typical (%)
Fe ₂ O ₃	0.0010	0.0005
ZnO	0.0008	0.0004
Cu ₂ O	0.0005	0.0003
Ag	0.0015	0.0006
Bi ₂ O ₃	0.0100	< 0.0010
As ₂ O ₅ , Sb ₂ O ₃ , SnO ₂	0.0009	< 0.0005
Ni, Te Th, Cd	0.0006	< 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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