

Application

This material is used as a source of lead in glass, electronic ceramics and polymer stabilizers. Grade 400Y is spheroidized for improved flow characteristics and reduced fugitive dusting.

Physical Properties

Color.....Tan
Form.....hard granules
Density.....9.5 gm / cm³
Molecular Weight.....223.21
Refractive Index.....2.67
Melting Point.....1630°F (888°C)
Screen Analysis.....greater than 7 mesh (0%)
(U.S. Standard Sieve) between 7 - 16 mesh (15%)
 between 16 - 40 mesh (33%)
 between 40 - 70 mesh (42%)
 between 70 - 100 mesh (5%)
 between 100 - 325 mesh (1%)

Chemical Composition

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

Trace Elements

Element	Maximum (%)	Typical (%)
Fe ₂ O ₃	0.0100	0.0020
ZnO	0.0010	0.0004
Cu ₂ O	0.0010	0.0006
Ag	0.0050	0.0020
Bi ₂ O ₃	0.0300	0.0125
As ₂ O ₅ , Sb ₂ O ₃ , SnO ₂	0.0019	<0.0010
Ni, Te, Th, Cd	0.0008	<0.0005
Co, Cr, Mn, Se	0.0002	<0.0001

Packaging
50lb / 22.68 kg Paper bags
500 lb / 272.16 kg Steel drums
Sling bags (<2,000 lbs / 907.19 kg)
Bulk Truck
Bulk hopper car

Note:

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



HAMMOND

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