

HAMMOND LITHARGE

ULTRA HIGH PURITY GRADE TECHNICAL DATA

APPLICATIONS

This material is used as a source of lead in glass, polymer stabilizers, pigments and plating chemicals where the highest purity and lowest red lead content are required. It is milled to 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
Specific Gravity	9.5 microns
Apparent Density	26 - 32 g/in ³
Molecular Weight	223.21
Melting Point	1630°F (888°C)
Median Particle Size	3.5 - 4.5 µm
Screen Analysis (U.S. Standard Sieve)	99.5% < 325 mesh

CHEMICAL COMPOSITION

PbO (Litharge)	99.88% minimum
Pb (Free Lead)	0.10% maximum
Pb₃O₄ (Red Lead)	0.02% maximum

TRACE ELEMENTS

Element	Maximum %
Iron Oxide	0.0010
Zinc Oxide	0.0008
Copper Oxide	0.0005
Silver	0.0012
Bismuth Oxide	0.0100
Arsenic Oxide	0.0003
Antimony Trioxide	0.0003
Tin Oxide	0.0003
Nickel	0.0002
Tellurium	0.0002
Cadmium	0.0002
Cobalt	0.0002
Chromium	0.0002
Manganese	0.0002
Selenium	0.0002

PACKAGING

50 lb. / 22.68 kg Paper bags / pails
28-gallon steel drums (600 lbs. / 272.16 kg)
Special packaging available upon request

NOTES

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
THE CHANGE CATALYST®

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