

HAMMOND 400Y LITHARGE

STANDARD GRADE TECHNICAL DATA

APPLICATIONS

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 / cm ³
Molecular Weight	223.21
Refractive Index	2.67
Melting Point	1630°F (888°C)
Screen Analysis	0% >7 mesh
(U.S. Standard Sieve)	15% 7-16 mesh
	33% 16-40mesh
	42% 40-70 mesh
	5% 70-100 mesh
	1% 100-325 mesh

CHEMICAL COMPOSITION

PbO (Litharge)	99.88% minimum
Pb (Free Lead)	0.10% maximum
Pb₃O₄ (Red Lead)	0.05% maximum

TRACE ELEMENTS

Element	Maximum %	Typical %
Iron Oxide	0.0100	0.0020
Zinc Oxide	0.0010	0.0004
Copper Oxide	0.0010	0.0006
Silver	0.0050	0.0020
Bismuth Oxide	0.0300	0.0125
Arsenic Oxide	0.0019	<0.0010
Antimony Trioxide	0.0019	<0.0010
Tin Oxide	0.0019	<0.0010
Nickel	0.0008	<0.0005
Tellurium	0.0008	<0.0005
Thorium	0.0008	<0.0005
Cadmium	0.0008	<0.0005
Cobalt	0.0002	<0.0001
Chromium	0.0002	<0.0001
Manganese	0.0002	<0.0001
Selenium	0.0002	<0.0001

PACKAGING

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

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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