

# HLP TRIBASIC LEAD SILICATE

## Application

This highly basic lead silicate is used in the production of glazes and as a source of lead in the glass industry. It is manufactured only in the granular form for excellent flow in bulk handling systems. Its low density promotes efficient mixing.

## Physical Properties

Color.....Yellow  
 Form.....Granular  
 Density.....7.50 - 7.60 g/cc  
 Melting Point.....705 - 733°C

## Chemical Composition

PbO (litharge)	92 +/- 0.8%
SiO <sub>2</sub> (silica)	8 +/- 0.8%
This composition is the eutectic mixture of tetra lead silicate and lead orthosilicate.	

## Trace Elements

Trace Elements	Maximum (%)	Typical (%)
Fe <sub>2</sub> O <sub>3</sub>	0.0065	0.0050
ZnO	0.0010	0.0004
Cu <sub>2</sub> O	0.0006	0.0004
Ag	0.0030	0.0010
Bi <sub>2</sub> O <sub>3</sub>	0.0300	0.0025
As <sub>2</sub> O <sub>5</sub> , Sb <sub>2</sub> O <sub>3</sub> , SnO <sub>2</sub>	0.0017	< 0.0010
Ni, Te, Th, Cd	0.0008	< 0.0005
Co, Cr, Mn, Se	0.0002	< 0.0001

Packaging
2,000 lb. / 907.19 kg Bulk bags
Special packaging may be available upon request

Typical Screen Analysis (U.S. Standard Sieve)	(%)
Greater than 7 mesh	0
Greater than 80 mesh	97
Less than 80 mesh	3

## 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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