

# LITHIUM CARBONATE

**Geographical Source:**

Silver Peak, Nevada  
Bessemer City, NC

**Geological Source:**

Solar Evaporation Ponds  
Processed from Spodumene

**Characteristics:**

Lithium carbonate is the purest natural form of lithium and is a third choice main flux for glazes. Lithium can improve brightness and the firing range of glazes, but is expensive. Lithia has powerful fusion, hardness and thermal properties which are superior to those of soda spars and potash. The low melting point of lithium carbonate may help increase the fluidity of a glaze and heal pinholes.

Lithium may have a strong effect on the color of glazes.

Thick coats of a lithium glaze on bisqueware may weaken the claybody.

Lithium expands upon heating but does not contract upon subsequent cooling, and is therefore useful in flameproof bodies, but consequently may lead to glaze fit problems.

**Melting Point: 1202-1327° F.**