

## LTCC Powder

### 401K08

#### Powder for Casting LTCC Tape/ DPIS\*

##### \* Development Product Information Sheet

##### Description

401K08 is a premixed blue LTCC dielectric powder and designed for tape application such as CT800 tape or other LTCC ceramic substrates which allow the production of multilayer circuits.

401K08 is compatible with Heraeus binder system TOP7750 and other binder systems typically used in tape fabrication. In tape form this material is also compatible with Heraeus silver, gold conductor and resistor systems.

##### Typical Properties (fired)

Color <sup>1)</sup> :	blue
TCE <sup>1)</sup> : (Temp. Coefficient of Expansion)	6-7 ppm/K (20-300 °C)

##### Typical Properties (Powder)

Powder Density:	3.10 - 3.50 g/cm <sup>3</sup> (Pycnometer in Helium)
Average Particle Size (d50):	1.0 – 2.5 µm (equipment : Helos BA)
Specific Surface Area (BET):	> 5.0 m <sup>2</sup> /g (equipment: Gemini)

Shelf life:	12 month, with correct storage (in a dry place and with container tightly shut).
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1) Measured on fired tape

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Europe [TH]  
W. C. Heraeus GmbH  
Thick Film Materials Division  
Heraeusstr. 12 – 14  
63450 Hanau  
Germany  
Tel: +49 (6181) 35 – 5466  
E-Mail: [th-info@heraeus.com](mailto:th-info@heraeus.com)  
Internet: [www.heraeus-th.com](http://www.heraeus-th.com)

North America  
Heraeus Incorporated  
Thick Film Materials Division  
24 Union Hill Road  
W. Conshohocken, PA 19428  
USA  
Tel: +1 (610) 825 – 6050  
E-Mail: [techservice.hcd@heraeus.com](mailto:techservice.hcd@heraeus.com)  
Internet: [www.thickfilm.net](http://www.thickfilm.net)

Asia [TH]  
Heraeus Materials Technology Shanghai Ltd.  
No. 1 Guang Zhong Road  
Zhuanquiao Town, Minhang District  
201108 Shanghai  
People's Republic of China  
Tel: +86 (21) 6442 6838  
E-Mail: [th.hmts@heraeus.com](mailto:th.hmts@heraeus.com)  
Internet: [www.heraeus-th.com](http://www.heraeus-th.com)