



DUPONT™ K003L AND K003

PRECIOUS METAL POWDERS

PRODUCT DESCRIPTION

DuPont Microcircuit Materials manufactures flake silver powders used in conductive electronic compositions. These powders are used in a wide range of adhesive, shielding, and electrical applications. They are mixed with an organic vehicle and applied or shaped for the intended purpose.

The powders are produced in ISO-certified, computer-controlled manufacturing facilities. Quality Assurance data is available on all lots shipped to our customers. Application information and assistance is available from our technical service representatives.

Table 1-Composition Properties

Test	Properties	
	K003L*	K003
Min Ag contents, %	99.2	99.2
Surface Area, m ² /gm	0.57 - 1.17	0.65 - 1.18
Tap Density, gm/cm ³	> 2.5	> 2.5
Na, **ppm	< 100	< 100
Extractable Chloride, ppm	< 10	< 10

Table 1 shows anticipated typical physical properties for DuPont™ K003L and K003 based on specific controlled experiments in our labs and are not intended to represent the product specifications, details of which are available upon request.

STORAGE AND SHELF LIFE

DuPont flakes silver powder should be stored at ambient temperatures. Shelf life of materials in unopened containers is unlimited.

PROCESSING

Silver powder is typically mixed with organic vehicles in concentrations of 30% to 90% by weight. The mixing process design should include as complete a dispersion of the ingredients as necessary. DuPont experience in the use of these powders in thick film compositions is extensive.

SAFETY AND HANDLING

For Safety and Handling information pertaining to this product, read the Material Safety Data Sheet (MSDS).



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FOR MORE INFORMATION ON DUPONT™ K003L AND K003 OR OTHER DUPONT MICROCIRCUIT MATERIALS, PLEASE CONTACT YOUR LOCAL REPRESENTATIVE:

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CAUTION: Do not use in medical applications involving permanent implantation in the human body. For other medical applications, see "DuPont Medical Caution Statement," H-50102-5 K-28732 (12/14)