

# CARBOBYK-9810

Highly filled, water-borne carbon nanotube dispersion for enhancing mechanical properties, electrical conductivity, and antistatic behaviour.

## Product Data

### Composition

Dispersion of multi-walled carbon nanotubes in water

### Typical Properties

Values indicated in this data sheet describe typical properties and do not constitute specification limits.

Carbon nanotubes content:	8 %
Carrier:	water
Density (68 °F):	8.97 lbs/US gal
Flash point:	> 212 °F
Non-volatile matter (20 min., 302 °F):	21 %

### Food Contact Legal Status

For the current food contact legal status, please contact our product safety department or visit [www.byk.com](http://www.byk.com) for further information.

### Storage and Transportation

Temperature for transport and storage must be below 35 °C / 95 °F. Stir before use.

## Applications

### Special Features and Benefits

Incorporating carbon nanotubes into coatings, printing inks, plastics, or adhesives enhances electrical and thermal conductivity, antistatic behaviour, mechanical properties, and shielding from electromagnetic waves. The additive is only recommended for water-borne systems.

### Applications

Recommended: Architectural coatings and industrial coatings.

Suitable: Adhesives, automotive coatings, plastics industry, printing inks, and wood coatings.

### Recommended Levels

0.3-3 % CNT solid on solid coating.

Optimal levels are determined through a series of laboratory tests.

### Incorporation and Processing Instructions

The additive should preferably be post-added using low speed agitation.

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Data Sheet  
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