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 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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