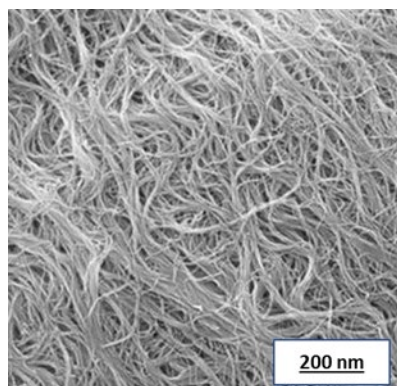


ATHLOS™ CARBON NANOSTRUCTURES (CNS)



Product highlights

Our ATHLOS carbon nanostructures (CNS) product line is a family of highly conductive coated, branched and crosslinked carbon nanotube structures

ATHLOS CNS products have a unique morphology of interlinked nanostructures which differentiates this product line from traditional carbon nanomaterials by delivering a combination of:

- ◆ Enhanced conductivity at lower loadings
- ◆ Improved EMI shielding effectiveness
- ◆ Increased tensile strength
- ◆ Enhanced handling for easier processing



Key applications

ATHLOS CNS based formulations are suitable for use in applications requiring an optimal balance of high electrical conductivity, enhanced mechanical integrity and good processability.

Market segments utilizing these formulations include:

- ◆ Automotive
- ◆ Consumer electronics
- ◆ Apparel
- ◆ Aerospace and Defense
- ◆ 3D Printing
- ◆ Construction

TYPICAL PROPERTIES

Property	Value	Test Method
Pellet Size	5 mm (L) x 1 mm (D)	CTM*
Bulk Density	0.135 g/cm ³	ASTM D7481
Surface Area	200 m ² /g	ASTM D6556
% Carbon	97%	CTM*
Post Coating	< 6% in proprietary mixtures	CTM*

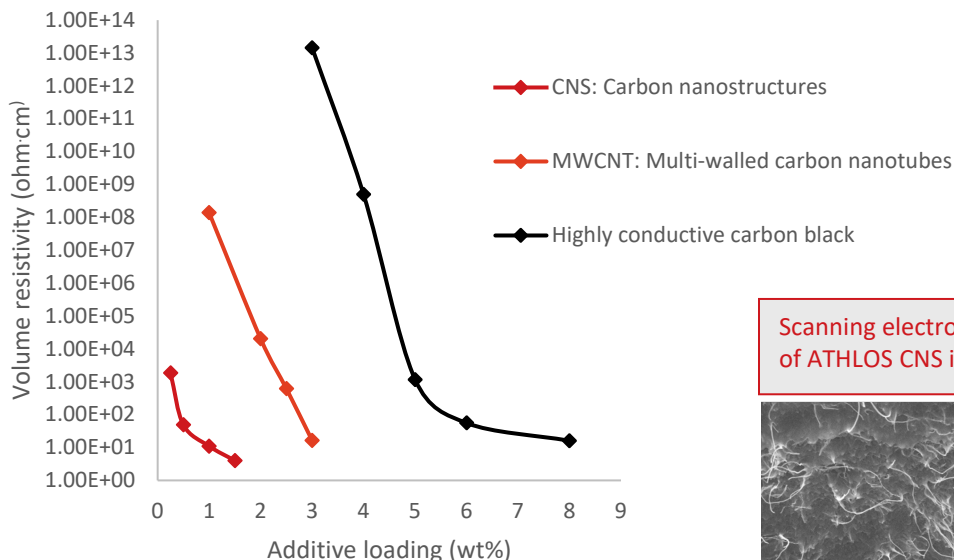
*Tests are performed using Cabot Test Methods.

The data in the table above are typical test values intended as guidance only, and they are not product specifications. Please contact your Cabot representative for further information, including product specifications.

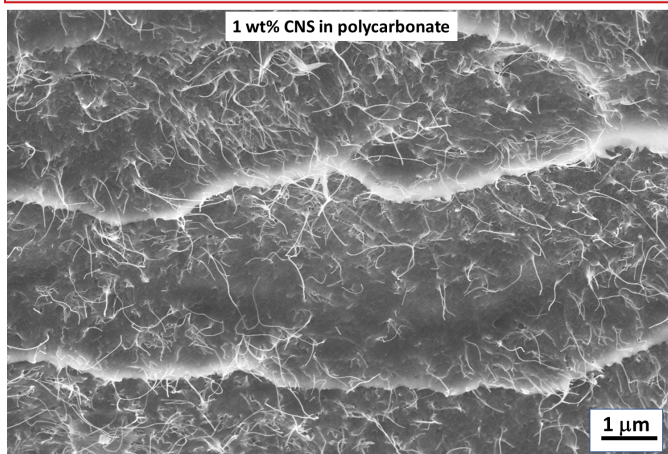
ATHLOS™ CARBON NANOSTRUCTURES (CNS)

Conductive Performance

Electrical percolation curves for polycarbonate compounds with different conductive carbon additives



Scanning electron microscopy shows excellent dispersion of ATHLOS CNS in polycarbonate



Volume resistivity test was performed according to a Cabot internal test method on injection molded polycarbonate compounds.

Product form and logistics

- ◆ Product form: Pellets
- ◆ Regional availability: Global
- ◆ Packaging options: 5 kg drums

For information on product-specific storage conditions, please refer to the applicable Safety Data Sheet (SDS) available from your Cabot representative or at cabotcorp.com.

The ATHLOS name is a trademark of Cabot Corporation.

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