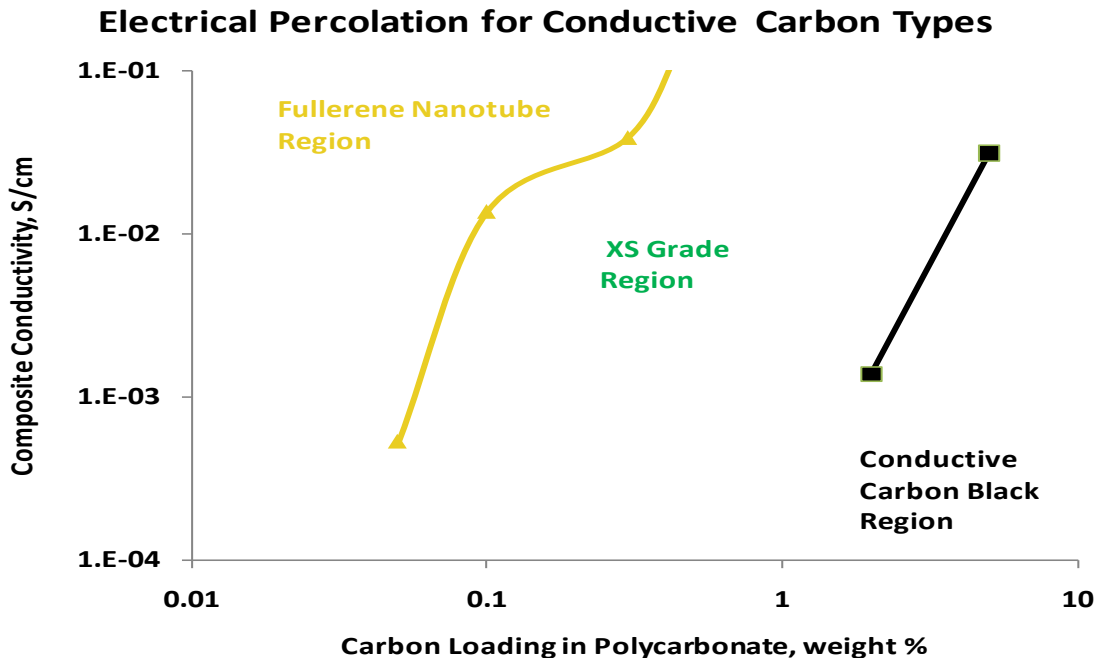![Continental Carbon Nanotechnologies, Inc. logo]

CCNI Carbon Nanotubes
XS Anti-Static Conductivity Grades

Product Description

XS grades are blends of conductive carbon black and carbon nanotubes. They are designed to be easily blended into polymers, resins and solvents using conventional mixing equipment. They offer the best price-performance option for anti-static applications but are tunable to achieve even higher levels of conductivity. CCNI can tailor this grade for customer needs.

MSDS: CCNI Carbon Nanotubes

Performance Range Available

Electrical Percolation for Conductive Carbon Types

Composite Conductivity, S/cm (y-axis: 1.E-01, 1.E-02, 1.E-03, 1.E-04)

Carbon Loading in Polycarbonate, weight % (x-axis: 0.01, 0.1, 1, 10)

Fullerene Nanotube Region

XS Grade Region

Conductive Carbon Black Region

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Representative Properties

Color	Black
Morphology	Nanotubes intermixed with carbon black
TGA Peak Burnoff	~490 Celsius
TGA Ash	2 - 8 wt%
Blend ratio	Tailored to meet customer needs

Representative TGA Curve