

The Trusted Compounding Partner for Electrically Conductive Plastics

New modern manufacturing plant in the US designed with over four decades of experience in compounding electrically conductive plastics.

Opening in 2025 in the Charlotte region, North Carolina.

PREMIX

Why Conductive Plastics?

Electrostatic discharge (ESD)



When handling sensitive components, component safety is essential. Electrically conductive and static dissipative plastics protect components from failure and breakage caused by uncontrolled electrostatic discharge (ESD) in production and logistics. This will guarantee a longer operating life for electronic devices.

Healthcare & wellbeing



Health is the most valuable thing in the world. There is no room for mistakes in health- and wellbeing-related operations. Electrically conductive plastics are key materials in in vitro diagnostics and body monitoring technologies. They will perform correctly, every time.

Explosive atmospheres (ATEX)



Ensuring people and environment safety is the key issue when vapors, gases and dusts are processed, transported and used. Electrically conductive plastics are ATEX applicable plastic materials, since they fulfill ATEX's surface resistance requirement.

Metal replacement

Due to lighter weight, good processability and optimal combination of mechanical properties, plastics have come to challenge metals in many applications, e.g. grounding and electrostatic painting.

Challenge us!

There are also many other creative ways to utilize conductive plastics: fuel cell technology, batteries, level detection, air-cleaning, stick and dust prevention to mention a few.

Together we can explore new innovative ways of using conductive plastics!



At Premix, we make materials that matter. We take daily sustainability actions that make a difference for our products, people, and society.

Expertise in electrically conductive plastics

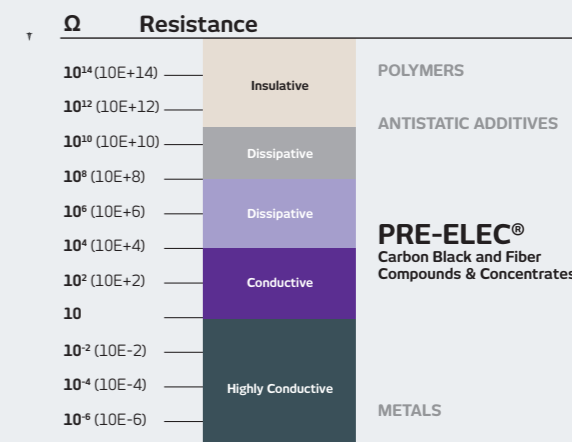
Compounds for a wide range of applications, where static electricity creates problems

Controlling static electricity

It is possible to add electrical conductivity to plastics with several additives, but carbon black has established its position as the most widely used electrically conductive additive.

Carbon black offers a superior price-performance ratio and stable properties over time. Typically carbon black compounds' surface resistance settles between $10^2 \Omega$ — $10^6 \Omega$.

We introduced our first electrically conductive plastic compound in 1983 as one of the first companies in the world. Today, the PRE-ELEC® product family covers wide areas of the conductivity spectrum and a large selection of base polymers.



Industry reference materials in automatic liquid handling system

- Pipette tip materials



Safer transportation, logistics, and storage with electrically conductive plastics

- ESD component trays, ESD packaging foams
- ESD boxes, crates, and pallets
- TPU/ABS sheets for heavy duty packaging

Superior performance and stable properties for cable applications

- PP semiconductive compounds for conductor and insulation screens
- PE-HD based compounds for semiconductive jacketing
- Semiconductive compounds with good adhesion to Cu and Al for sub-sea cables



PREMIX



*We open a state-of-the art
manufacturing plant in the
Charlotte region in 2025.*

PREMIX expertise comes with experience:

*A leading player in the field of electrically conductive plastics for more than four decades.
Over 20.000 formulas developed and a wide material offering.*

We want to create
together with
our customers
**MATERIALS THAT
MATTERS!**

*Let's get your success story started.
Get in contact with the PREMIX US team!*



PREMIX
Electrically conductive plastics

www.premixgroup.com