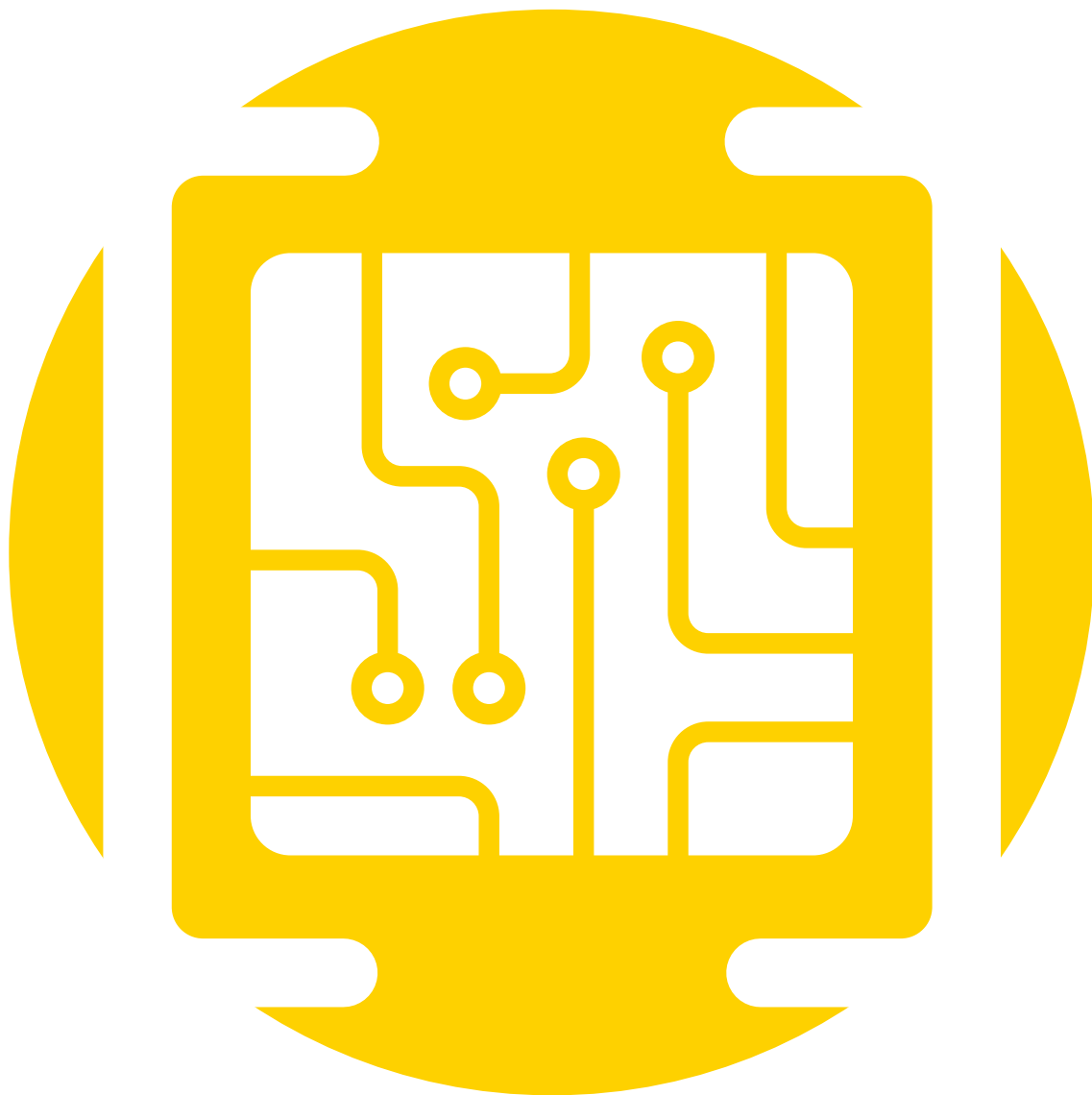


**ELECTRICALLY
CONDUCTIVE AND STATIC
DISSIPATIVE PLASTICS
ELECTRONICS PACKAGING**



FOR THE SAFETY OF YOUR PRODUCTS

Electrically conductive plastics ensure a safe handling of electronic components during production and logistics.

ELECTRICALLY CONDUCTIVE AND STATIC DISSIPATIVE PRE-ELEC[®] carbon black compounds and concentrates

- carrier tapes and reels
- component trays, IC trays
- corrugated board, sleeve pallets
- cases, boxes, crates, tote bins, bags, pouches
- foams

STATIC DISSIPATIVE PRE-ELEC[®] ESD IDP* compounds

- co-extruded trays with low ionics and low outgassing
- cases, boxes, crates
- jigs, pick and place parts

LOOKING FOR A TAILORED SOLUTION?

In case you are looking for electrically conductive plastic compound with special features do not hesitate to contact us at Premix - we are glad to tailor a compound meeting your exact demands.

*IDP=Inherently Dissipative Polymer

We introduced the first conductive compound in 1983 among the first companies in the world. Today PRE-ELEC® product family has emerged to cover the conductive and static dissipative areas of the resistance spectrum and a wide variety of base polymers.

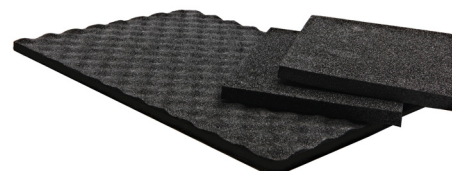


ESD-protection for sensitive components

Uncontrolled electrostatic discharges (ESD) cause component failures and breakage during the electronics production and transportation. Premix's conductive and static dissipative plastic compounds protect components from ESD. This will reduce the extend of hidden failures and guarantee a longer operation life for electronic devices.



PRE-ELEC® PS concentrate is the most cost-efficient raw material solution for ESD component trays. It performs pre-eminently also in challenging formulations. E.g. by improving sheet's mechanical properties even when diluted with undefined recycled polystyrene fraction.



PRE-ELEC® EVA and LLD compounds and concentrates for foam extrusion are tailor-made to match each customer's unique process and foaming technology.

PRE-ELEC® – conductive and dissipative carbon black compounds

Carbon black has established a position as the most widely used conductive filler. It offers the superior price-performance ratio and stable properties over the time. Typical resistance range for carbon black compounds is between E2 and E5 ohms.



PRE-ELEC® ABS and TPU form together an excellent material combination in co-extrusion. They come forward when sheets with anti-slipping, abrasion and scratch resistance property are required for surface sensitive or heavy duty products.

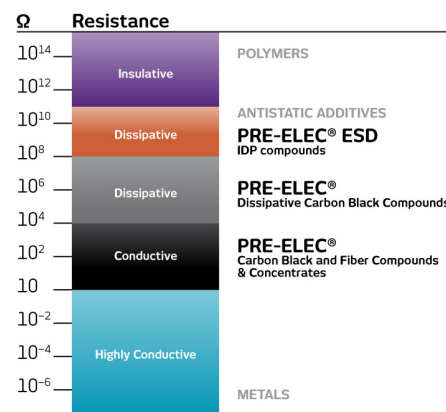
Due to the nature of carbon black, reaching a dissipative surface resistance level above E5 ohms is a difficult task. We have successfully overcome this challenge with special resistance control technology and offer static dissipative PRE-ELEC® compounds between resistance range E5 and E8 ohms.

Boost your business with conductive concentrates

Carbon black concentrates are an excellent way to reduce the raw material costs. To ensure maximum cost efficiency, recycled plastics or regrind from your own processes can be used for dilution. One small yet innovative step can lead to significant cost savings.

PREMIX – innovative and reliable product concepts

Premix is the leading specialist in electrically conductive plastics and high performance plastic solutions. Over the years we have gained profound knowledge in carbon black dispersion and polymer modification. We are committed to creating innovative and reliable plastic raw material solutions for our customers' specific needs. The best success stories are born from long-term customer partnerships.



Premix's comprehensive product portfolio covers the plastics resistance spectrum from conductive up to static dissipative area.



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**We know our business, but this is not enough.
We want to know your business, too. Strong partnerships with
customers and leading institutes are our way of finding shorter
and faster roads to Success.**

To put it in short:

$$S = 17.000 + (U_B \times (R\&D))^{PP}$$

**Check out the building blocks of our formula
and join us on the journey to Success!**

