

**ELECTRICALLY
CONDUCTIVE AND STATIC
DISSIPATIVE COMPOUNDS
ELECTRONICS INDUSTRY**

PREMIX



FOR THE SAFETY OF YOUR PRODUCTS

PRE-ELEC®: carbon black compounds and concentrates

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

PRE-ELEC® ESD: inherently dissipative polymer (IDP) compounds and masterbatches

- co-extruded trays with low ionics and low outgassing
- translucent film and sheet
- colored SMD-boxes, cases and bins

LOOKING FOR A TAILORED SOLUTION?

We also offer several other options for conductive fillers and a wide range of polymers to choose from. Our expertise is at your service!

We offer just one product. A solution. Generating this solution is our job. Our way of working is based on strong dedication to our customers: We share the targets, but the challenge is ours.

Protecting sensitive components



When handling sensitive components, component safety must be guaranteed. Premix's conductive compounds protect components from failure and breakage caused by uncontrolled electrostatic discharge. This will reduce the extent of hidden failures and guarantee a longer working life for electronic devices.



Easy to process. PRE-ELEC® compounds and concentrates for component trays and hard disc drive trays. PC- and PS-based PRE-ELEC® compounds for carrier tapes.



High temperature resistance. PRE-ELEC® compounds for IC-trays.

Electrically conductive and static dissipative compounds

Carbon black is a durable material enabling lasting and reliable product constructions. Electrically conductive PRE-ELEC® compounds and concentrates are the right choice when looking for a superior price-performance combination.

Due to the nature of carbon black, reaching a dissipative resistance level is difficult. With special PRE-ELEC® grades, we have successfully overcome this challenge and reached controlled resistance levels from 1E5 to 1E8 ohms.

PRE-ELEC® ESD compounds are intended for applications calling for controlled resistivity in permanent static dissipative applications. Their speed of dissipation is ideal for protecting sensitive components. Translucent grades can be colored and used in cleanroom applications.

PREMIX – Innovative and reliable product concepts

Premix is the leading specialist in electrically conductive plastics and other unique plastic solutions. We have gained profound knowledge in carbon black dispersion and polymer modification.



Uniform product quality. PRE-ELEC® compounds for foams based on PP, EVA, LDPE and polyolefin elastomers.



Ionically clean. PP-based PRE-ELEC® ESD compounds meet the strict cleanliness standards set by hard disc drive industry.

Ω	Resistance	
10^{16}	Insulating	POLYMERS
10^{14}		
10^{12}		
10^{10}	Electrostatic Dissipative	PRE-ELEC® ESD IDP compounds
10^8		
10^6	Electrostatic Conductive	PRE-ELEC® carbon black and fiber compounds
10^4		
10^2		
10	Highly Conductive	PRESEAL® highly conductive elastomers METALS
10^{-2}		
10^{-4}		
10^{-6}		

Premix's comprehensive product portfolio covers the whole resistance spectrum.

Today, our products are widely used in electrostatic discharge (ESD), explosive atmospheres (ATEX) and metal replacement applications. Along with the electronics industry, we also serve many customers in the chemical, construction, medical and mining industries.

We are committed to creating innovative and reliable plastic raw material solutions for our customer's specific needs. The best success stories are generated from long-term customer partnerships.



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CARING. CREATING. COMMITTED.

We Care. We know that we can make good things even better. We Create by challenging ourselves every day. We are Committed to doing things better. This is our way of fulfilling our promise. Both to ourselves and to our customers.