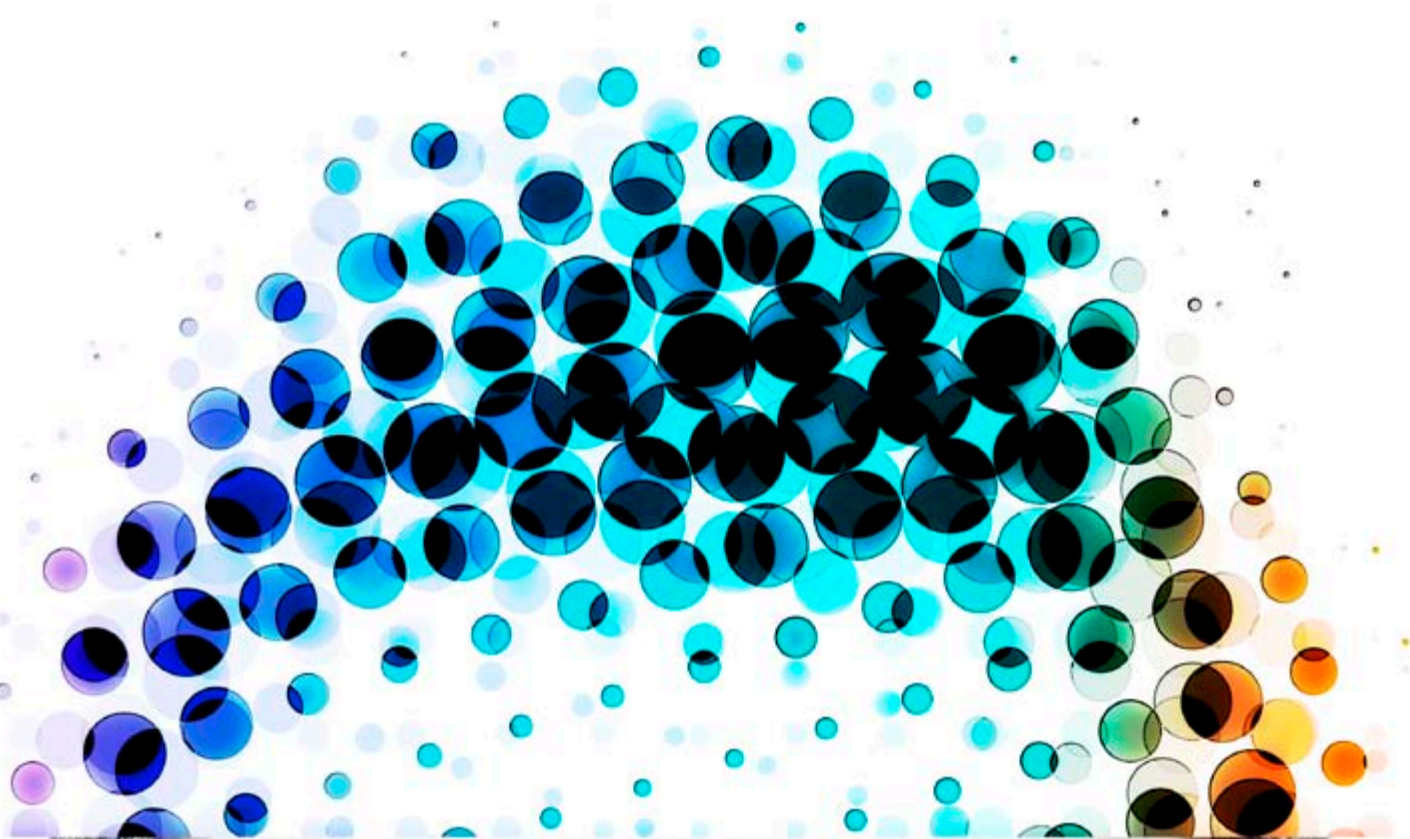


ELECTRICALLY CONDUCTIVE PLASTICS LET'S MAKE A GOOD MIX

PREMIX



**PREMIX IS THE LEADING SPECIALIST IN
ELECTRICALLY CONDUCTIVE PLASTICS AND
OTHER UNIQUE PLASTIC SOLUTIONS.**

**WE HAVE GAINED PROFOUND KNOWLEDGE
IN THE FIELDS OF CARBON BLACK DISPERSION
AND POLYMER MODIFICATION.**

**THIS KNOWLEDGE, ALONG WITH STRONG PRODUCT
DEVELOPMENT KNOW-HOW AND UNDERSTANDING
OF CUSTOMER NEEDS HAS HELPED US CREATE
INNOVATIVE AND RELIABLE PRODUCT CONCEPTS.**

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.

PREMIX – Forerunner in conductive plastics

Since 1983 – when our first conductive plastic formulation was created – we have worked our way to be the world’s leading specialist in the field.

Today, our products are widely used in electrostatic discharge (ESD), explosive atmospheres (ATEX) and metal replacement applications serving many industries, including automotive, chemical, electronics, medical and mining.

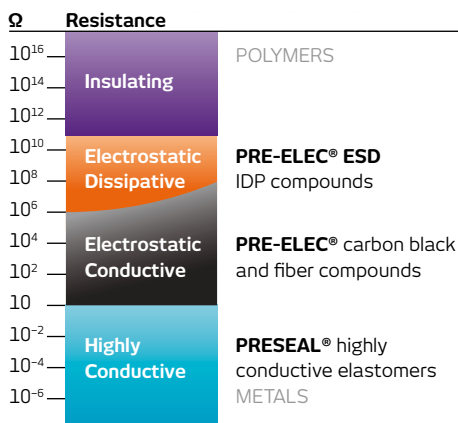
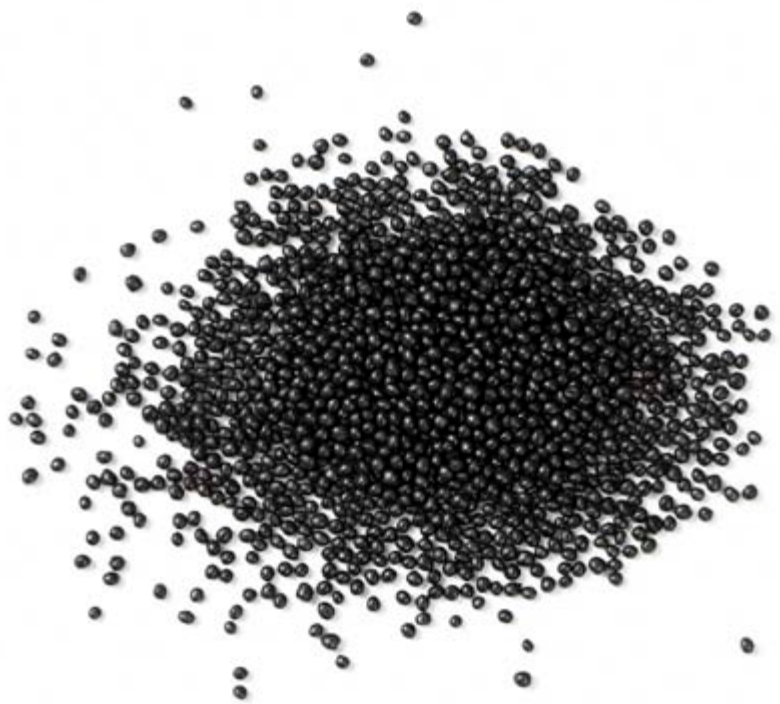
Over the years, we have built up a comprehensive product portfolio to cover the whole resistance spectrum ranging from electrostatic dissipative IDP plastics to highly conductive EMI grades.

PRE-ELEC® – Carbon black and fiber-filled conductive and dissipative compounds

Black is beautiful. Today, the majority of conductive plastics are based on carbon black. When looking for surface resistance areas ranging from 1E2 to 1E6 ohms, carbon black is most often the best choice due to its superior price-performance combination and durable and reliable product construction enablement.

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

As a conductive media, carbon fiber is justified, especially in applications requiring high rigidity.



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

The PRE-ELEC® product family covers a wide range of basic polymers, from commodity to engineering polymers.

PRE-ELEC® ESD – Inherently dissipative compounds

Inherently dissipative polymers (IDP) come forward when translucency, cleanliness, non-sloughing or food contact properties are essential.

PRE-ELEC® ESD compounds and masterbatches enable permanent surface resistance levels from 1E8 to 1E12 ohms and their functionality is not dependent on humidity levels.

Extensive expertise through innovative material solutions

Metal-filled PRESEAL® elastomers are part of the Premix’s Plastics in Electronics business unit developing innovative material solutions to serve the needs of the telecommunications industry.

Carbon black is our friend, a true nanotechnology we know well. Over the years, we have worked with many different types of carbon black. We have built our production machinery and work environment to handle and disperse carbon black in the best possible way.



Conductive carrier tapes protect components during transportation and production. PS- and PC- based PRE-ELEC® compounds are easy to process and provide an excellent surface finish.



Conductive pipes secure a safe and non-explosive environment in the chemical, processing and mining industries. PE-HD and PP-based PRE-ELEC® compounds provide a lightweight solution with increased service time and better corrosion resistance compared to traditional metal pipes.



Conductive pipette tips for liquid level detection in automatized pipetting workstations. High-flow PP-based PRE-ELEC® compounds enable fast cycle times and multi-cavity molds in pipette tip production.

WHY CONDUCTIVE PLASTICS?

Electrostatic discharge (ESD)



When handling sensitive components, component safety is essential. Conductive plastics protect components from failure and breakage caused by uncontrolled static discharge in production and logistics. This will guarantee a longer working life for electronic devices.

Explosive atmospheres (ATEX)



During handling, storage and transportation of flammable and hazardous substances, securing a safe explosion-free environment is more than important. Liquids, gases and powders can easily generate high static electricity which needs to be grounded in controlled manner. Conductive plastics are essential, since a single spark can lead to serious consequences.

Metal Replacement

Metal replacement is one of the fastest growing sectors for conductive plastics. 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, level detection sensors, air-cleaning, EMI-shielding, preventing sticking and dust, to mention a few.

Take a jump with us: together we can explore new innovative ways of using conductive plastics!

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.

Better together

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 the best solutions.

We are committed to creating functional tailored innovative and reliable plastic raw material solutions. Success stories emerge from long-term customer partnerships.

Environmental production, responsible care

We care. This also applies to the environment. We are all committed to the chemical industry's global Responsible Care environmental program. It is part of our everyday life. Small steps drive us to reach continuous improvement in health, safety and environmental performance.

A global distributor network at your service

We think and operate globally but with a strong local presence. Our distributor network currently covers over 30 countries. We are ready for your challenge!



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