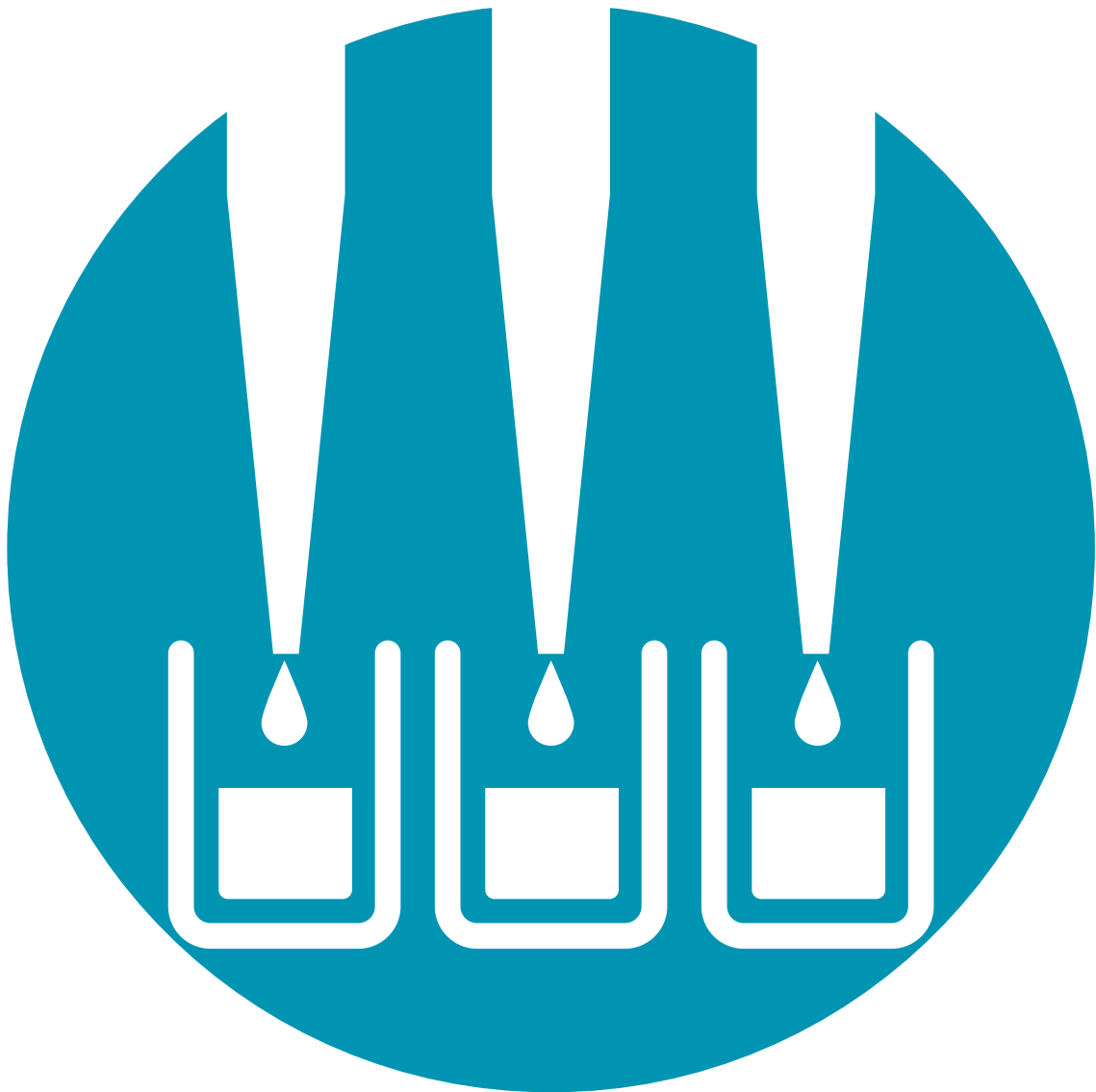


**ELECTRICALLY
CONDUCTIVE AND STATIC
DISSIPATIVE PLASTICS**
HEALTHCARE AND WELLBEING



FOR BETTER HEALTH AND WELLBEING

Electrically conductive and static dissipative PRE-ELEC[®] compounds enable automated liquid level detection, signal transmission and safe hospital environment.

IN VITRO DIAGNOSTICS

Dedicated portfolio of PRE-ELEC[®] compounds for

- pipette tips (USP class VI approval)
- racks

BODY MONITORING

Highly conductive PRE-ELEC[®] compounds for

- ECG electrodes
- heart-rate sensors
- wearable electronics, smart clothing

STATIC CONTROL IN HEALTHCARE FACILITIES

PRE-ELEC[®] compounds for

- transmission hoses for medical gases
- conductive fibers
- groundable, non-charging plastic components

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.

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.



We take your health and wellbeing seriously

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.



Homogenous, high purity PRE-ELEC® PP material and consistent batch to batch quality guarantee easy processing with no process downtime. Photo: Netstal

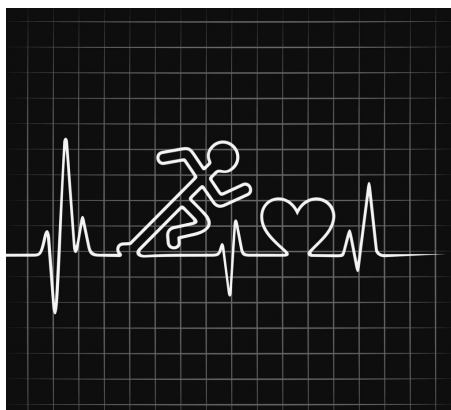


PRE-ELEC® PP has replaced metals as a conductor in disposable ECG electrodes. Thermoplastic material enables simple and fast mass production with lower raw material price.

Industry reference in electrically conductive pipette tips

Premix is an industry pioneer in automated liquid handling applications. The first electrically conductive PRE-ELEC® pipette tip compound was introduced in early 1990's.

PRE-ELEC® was also chosen as a demonstration material for the world's first 128 cavity pipette tip system solution presented by Netstal and Tanner.



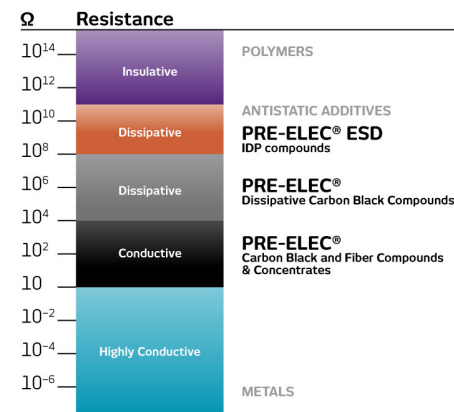
PRE-ELEC® TPU combines low resistivity with easy processability and stable properties. Due to its excellent chemical resistance TPU is a right material choice for wearable electronics.

Enhancing the safety in healthcare facilities

In hospital and other healthcare environments the uncontrolled discharges may lead to serious consequences. The risks relate to equipment failures, unpleasant electrostatic shocks or ignition of flammable substances.

Electrically conductive plastics do not accumulate static charges; when grounded they remain in zero potential. Therefore electrically conductive and static dissipative plastics have lower ESA (electrostatic attraction) contamination rates for airborne bacteria than normal plastics.

Premix is actively involved in standardization work through IEC's PT 61340-6-1 project team. The first version of IEC-standard "Electrostatic control for healthcare – general requirements for facilities" is currently under preparation.



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

Innovative and reliable product concepts through long-term partnerships

Premix is the leading specialist in electrically conductive plastics and high performance plastic solutions. 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 partnerships.



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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!**

