

## Dissipative and Conductive Compounds in ESD-packaging

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### Abstract

Premix Oy produces special compounds and is the leading producer of conductive compounds in Europe. We produce traditional carbon black filled compounds for electrostatic conductive packaging materials ( $10^2 \Omega \leq R_s < 10^5 \Omega$ ) and non-black IDP-compounds for electrostatic dissipative packaging materials ( $10^5 \Omega \leq R_s < 10^{11} \Omega$ ).

The advantages of carbon black compounds are their relatively low cost and suitability for most existing production processes. Typical applications are injection moulded boxes and crates and extruded sheet for thermoforming.

IDP-compounds are non-black and can be coloured. In addition they are non-sloughing and clean, they are permanently dissipative and can be washed. Typical applications include co-extruded sheet for thermoforming.