

GXT - ESD

Description:

Graphene-Xt has a unique technology that allow the production of ESD bags for electronics devices with graphene, instead to use metal like aluminum we replace it with graphene, so the bags can be recycled as pure polymer. Environmental and economic cost of those products are increasing and with our greener process your company can make a sustainable investment.

Due to the extremely low amount of coating material, which is anyway carbon based, at the end of its life GXT – esd is a fully recyclable as PET plastic.

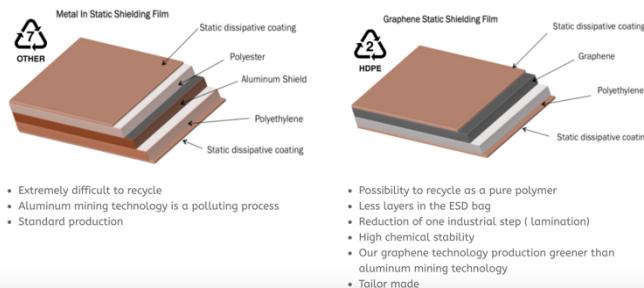
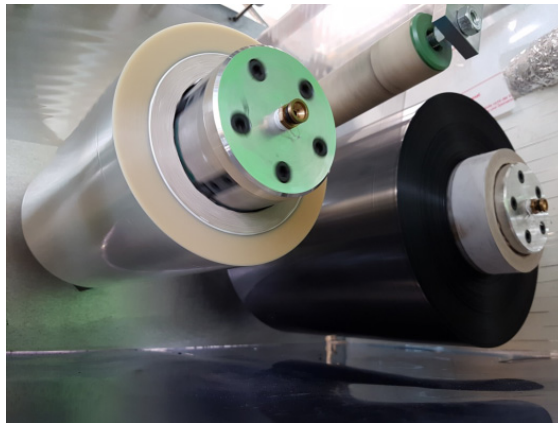


Figure 1: Comparison with traditional ESD bag with aluminum layer



Figure 2: In the left side, conventional ESD bag; in the right side, innovative graphene ESD bag

Features

Transparency	80 % T
Electrical Resistance	$10^3 - 10^4$ Ohm
Electrostatic shielding	$E < 50$ nJ
Typical resistance of antistatic coating external/internal	$10^8 - 10^9$ Ohm
long-term stability	High, no oxidization
Mono-polymer	recyclable
reuse	In industrial scraps

It is emphasized that all data in this publication have been obtained from laboratory tests on representative samples. Thus, although the values are typical, they are for very general guidance and must not be used as a basis for specifications.

Sample should be stored dry and away from direct sources of heat. More detailed information and advice on individual products may be obtained from the Sales Contacts. Information contained in this publication, and otherwise supplied to users, are based on our general experience and are given in good faith, but we are unable to accept responsibility in respect of factors which are outside our knowledge or control.

Is the responsibility of the customer to ensure that the use complies with all relevant regulations. GXT grade should be used for research purpose.