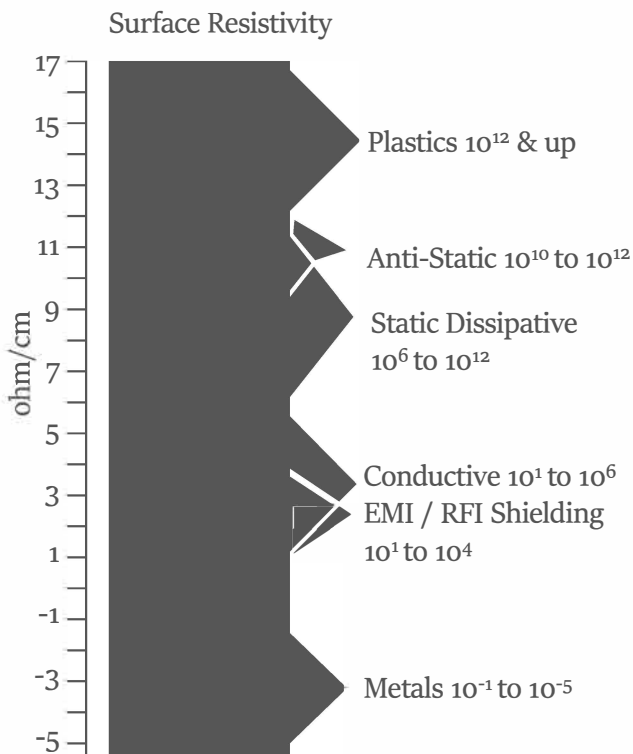




ESD MASTERBATCH & COMPOUND

As Maskom Plastik, we offer special Masterbatch solutions for ESD (Electrostatic Discharge) applications. The term ESD means the release of static electricity in case of direct or indirect contact of 2 objects with different electric charges. Electrification, static charge, and static discharge are frequently experienced in daily life and industry. While metals are electrically conductive; pure and commercial plastics are insulators. With the development of polymer technology, product safety is provided in many applications by providing electrical conductivity properties to plastics.



Maskom ESD Masterbatch series products; MSC 21001 and MSC 21002 contain a high percentage of special type carbon black and are produced with a surface conductivity value of $<1.0E+3$ ohm.

Code	Definition	Description	Target Resistivity (ohm.cm)	Compatibility	Dosing (%)
MSC 21001	Antistatic/ESD Masterbatch	High purity, special carbon black filled ESD masterbatch	10^1-10^9	Polypropylene	60-100
MSC 21002	Antistatic/ESD Masterbatch	High purity, special carbon black highly filled ESD masterbatch	10^1-10^9	Polypropylene	50-100

Application Examples;

- In products such as cases, boxes, pallets, and panels for transportation of electrically sensitive devices,
 - Due to static electricity, plastic applications that may spark and catch fire,
 - In explosion-proof plastic applications,
- In some applications where conductive plastic can be replaced instead of metal,
 - Antistatic packaging films/products,
- Static grounding and antistatic floor applications,
 - Some parts for batteries and fuel cells.