

Antistatic Masterbatch

An antistatic agent is a compound used for treatment of materials or their surfaces in order to reduce buildup of static electricity. Triboelectric effect. An electrical charge produced by friction. Additive migrate to the surface to dissipate static charge through association with moisture in the air.

Hydrophobic side interacts with surface of the material, Hydrophilic side interacts with air moisture and binds the water molecules.

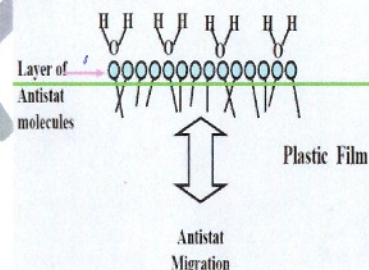
PROPERTIES

- Eliminates electrostatic problems
- Reduces dust contamination
- Reduces cycle time by providing faster mold release effect
- Improves surface finish of moulded articles Polyolefin films and moulded products.

Nitrogen free oleochemical derivative (Glycerol monostearate) in order to prevent static electricity accumulated on the surface of plastic materials, PP, PE, - Amine derivative antistatic liquid form with the synergistic effect and excellent anti-static effect.

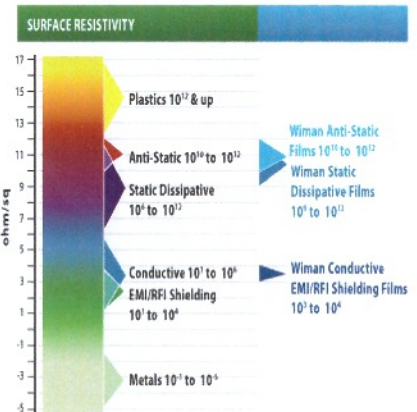
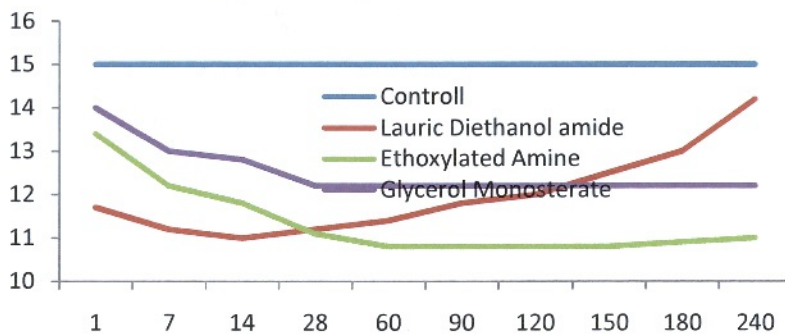
It is simply the resistance of product as its surface is measured in ohms.

Ohms	Property
10^9 to 10^{13}	Antistatic
$>10^{14}$	Insulative
10^{15} – 10^{16}	Normal Range of PE PP



Item	Active content	Polymer Base	Dosage
Antistat D10-1068	15%	PE	1-4 %
GMS + Additive			

Graph – Surface Resistivity Y Axis Vs No. of Days X Axis



EMI – Eelectromagnetic Interference
RFI – Radio Frequency Interference

Application

- Blow / Cast PE & PP films, PE bubble film Sheets,
- Injection Molding

Disclaimer:

All information is given in good faith. Above all data obtained under standard conditions with our testing facilities, may vary under different conditions. It is recommended to test the above properties to finalize the use of the product for specific and particular applications.