



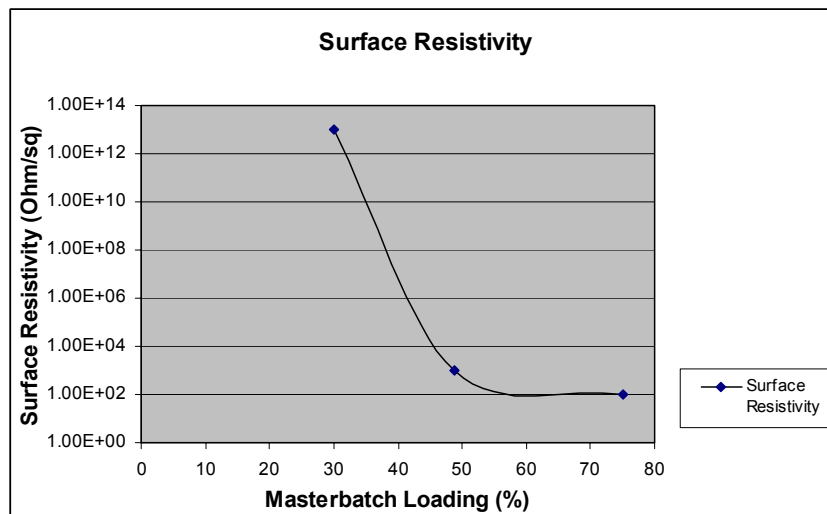
Rajiv Plastic Industries is a pioneer in the manufacture of electrically conductive compounds and masterbatches. We have an exhaustive range of Electrically conductive compounds and masterbatches. These range from the mild antistatics to the stronger ESD compounds with very low surface and volume resistivity and excellent conductivity.

These masterbatches and compounds offer an excellent mix of conductivity, mechanical properties and overall surface finish.

At the moment we offer 2 different types of masterbatches depending on end application. (Masterbatches presently available only for polyolefins and Polypropylene)

- ESD PE MB 1 - Suitable for Injection Molding
- ESD PE MB 2 – Suitable for Extrusion Applications

Both Products have similar conductive features and their conductive nature can be explained with the following graph.



Great care is taken during the formulation stage to prevent any loss of Impact strength and stiffness which would normally occur on such high addition levels of conductive materials.



We offer the following conductive compounds:

Polymer	Compound	Volume Resistivity (Ωcm)	Surface Resistivity (Ω)	Typical Application
HDPE	ECC HD 1	$< 10^4$	$< 10^5$	Pipes, Bottles and Cannisters
	ECC HD 2	$< 10^3$	$< 10^4$	Trays, Sheets, Crates
LDPE/LLDPE	ECC PE 1	$< 10^4$	$< 10^5$	Lids, Technical Parts
	ECC PE 2		$< 10^5$	Protecting film, bags, sacks
	ECC PE 7	$< 10^3$	$< 10^5$	Sheet
PP	ECC PP 1	$< 10^3$	$< 10^4$	Boxes, crates
	ECC PP 2	$< 10^2$	$< 10^3$	Technical Parts
	ECC PP 3	$< 10^3$	$< 10^4$	Corrugated Board, pipes, sheet
	ECC PP 4	$< 10^3$	$< 10^5$	I.C. Tray
PS	ECC PS 1	$< 10^4$	$< 10^6$	Sheet, Foil, Vacuum formed parts
	ECC PS 2	$< 10^4$	$< 10^6$	Co-extruded Sheet & foil
	ECC PS 3	$< 10^3$	$< 10^4$	Boxes, Containers
	ECC PS 4	$< 10^4$	$< 10^5$	Boxes, Containers

Surface Resistance Spectrum

