Conductive Masterbatch / Compound

Applications

Conductivity imparting agent for plastic molded articles

Application	Product example	Volume resistivity [Ω·cm]<Reference value>
Dust protection	Wafer rack, case	10^5～10^8
Electrostatic destruction prevention	Container, corrugated plastic, IC tray	10^3～10^6
Static electricity elimination	Static elimination roll / brush	10^0～10^2

Applicable to various plastic products utilizing conductive carbon black.

Characteristics

- Excellent in designability corresponding to broad range of conductivity (10^2 ～ 10^6Ωcm), and adjustability of resistivity according to the amount of content.
- Compared to other conductive materials, our products are easy to process and place less stress on processing equipment.
- Designed for versatile applications of molded articles.
- No change in performance even after surface wiping and washing.
- Excellent in corrosion resistance.
- We can also offer formulation design tailored to customer needs.

Representative Products

Base resin	Product name
PP	PP-M 300
PS	PS-M 400
ABS	AB-M 500
PE	PE-M 700

＊Detailed data of physical properties are separately prepared.

Antistatic Agent Masterbatch

Applications

Antistatic agent for various plastic molded articles (sheets, films, injection molded articles, etc.)

Characteristics

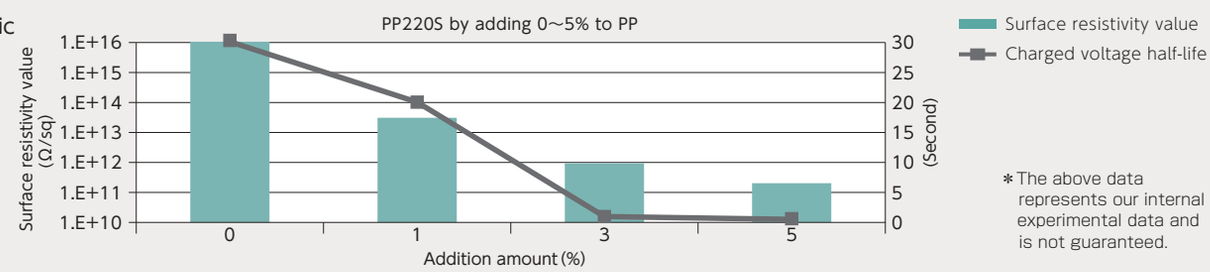
- Masterbatch dispersed with antistatic agent, having excellent workability, anti-staining properties and automatic weighing performance of fixed quantity supplying machine.
- Applicable to a wide range of plastic products such as olefin, styrene and PET resins.
- Some products registered and approved by Japan Chemical Innovation and Inspection Institute (JCII) are applicable to food packaging containers.

Representative Products

Product name	Recommended applicable resin	Recommended molding method and addition amount
PE 220	LD−PE	Injection, extrusion, more than 0.5%
PE 205S	LLD−PE	Injection, extrusion, more than 3%
PE 720D	HD−PE	Injection, extrusion, more than 5%
SS HD 3120	HD−PE	Injection, extrusion, more than 5%
PP 220S	PP	Injection, extrusion, more than 2%
PP 4320	PP	Extrusion, more than 2.5%
PS 115	PS	Injection, extrusion, more than 5%
AS 115−1	AS	Injection, more than 5%
ABS 120	ABS	Injection, extrusion, more than 5%
PT 720 (D)−1	PET	Injection, extrusion, more than 5%

Evaluation Results

■Antistatic effect



＊The above data represents our internal experimental data and is not guaranteed.

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