Conductive Masterbatch / Compound

Application-

Conductivity imparting agent for plastic molded articles

Application	Examples	Resistivity [Ω·cm] <reference value=""></reference>
Dust protection	Wafer rack, case, basket	105~108
Electrostatic destruction prevention	Container, corrugated plastic, IC tray	10 ³ ~10 ⁶
Static electricity elimination	Static elimination roll / brush	10°~10°2
Heat generation	Flexible heating sheet, wire heater	10-1~101

Applicable to various plastic products containing conductive carbon black.

Characteristics -

- •Excellent in designability corresponding to broad range of conductivity $(10^2 \sim 10^6 \Omega \text{cm})$, and adjustability of resistivity according to the amount of content.
- Less damage to processing facilities and also easy processing compared with other conductive materials.
- ·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

Application-

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

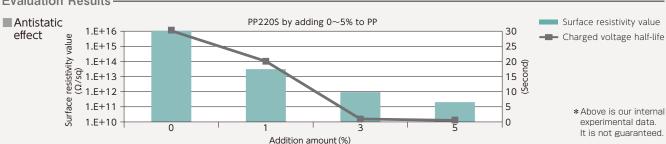
Characteristics -

- Masterbatch dispersed with antistatic agent, having excellent workability, anti-staining property and automatic weighing performance of fixed quantity supplying machine.
- Applicable to a wide range of plastic products such as olefin, styrene and PET resins.
- We offer a surfactant-based antistatic agent and a permanent antistatic agent.
- 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	
Surfactant type			
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%	
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%	
Parmanent antistat type			
PAS 205	PE,PP,PS,etc,	Injection, extrusion, more than 10%	

Evaluation Results



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