
Organic Fluorine Electret Powder

TPD-53

Description

Electret materials are widely used in the field of high efficiency and low resistance air filter materials. Electret air filter materials require high density of stored charge, long life and high stability. The raw materials used as electrets need excellent dielectric properties, such as high volume resistance and surface resistance, high dielectric breakdown strength, low moisture absorption and air permeability.

Organic Fluorine Electret Powder TPD-53 has a very high electrostatic capacity, the micropores distribution is uniform, it can increase the electrostatic adsorption capacity of PP, and it can effectively extend the aging of charge storage for one year, it is suitable for the production of melt blown cloth with filtering efficiency of 95 or 99.

Features

- Long lasting antistatic
- Micropores are uniformly distributed
- Improving the filtering efficiency

Technical Index

Item	Typical Value
Appearance	White particles
Average Particle Size	~1 μ m
Bulk Density	300-500g/L
Effective Content	100%

Applications

It is suitable used for the production of electret masterbatch for melt blown cloth with a filtration efficiency of 95 or 99.

Use Method

The addition of organic fluorine electret powder TPD-53 in the melt blown cloth only needs 0.1-0.3%, which can greatly improve the filtration efficiency and prolong the charge

storage time. The electret masterbatch can be obtained by compounding TPD-53 with PP of melt index 1500. The addition amount of TPD-53 in masterbatch is 5-10%. The organic fluorine electret powder TPD-53 can also be directly added into PP of melt index 1500 by masterbatch.

Packing

Environmental friendly carton drum lined with PE bag, net weight 25kg/drum.

Transportation & Storage

Transported as non-dangerous cargo.

Avoid severe vibration and high temperature sunshine during transportation.

Stored in cool, dry, dark and ventilated place, avoid moisture, fire and strong oxidant.
