

# CAN THE ELECTRET MASTERBATCH STORE ELECTRICITY



How does an electret masterbatch work? The electret masterbatch stores electric charges, creating an electrostatic field that attracts and captures particles, thereby increasing the filtration efficiency to levels of 90%, 95%, or even 99%. The electret masterbatch works by enhancing the density and depth of charge trapping sites within the meltblown fabric.



How does a non-woven electret masterbatch work? The non-woven electret masterbatch increases the density of the charge trapping traps in the meltblown nonwoven fabric, so that the probability of the charge being captured by the meltblown cloth is increased under the same charging equipment and process conditions, and the charge of the obtained meltblown product is increased.



How does electret improve filtration efficiency of melt blown non-woven fabric? The purpose of electret is to make the melt blown non-woven fabric store static electricity, so that it can absorb dust, bacteria, viruses, aerosols and other harmful substances in the positively charged air, thereby improving the filtration efficiency of the melt blown non-woven fabric (over 95%-99%).



What is JLS-electret masterbatch? JLS-Electret masterbatch is a functional material of melt blown non-woven fabric with electrostatic effect, piezoelectric effect and pyroelectric effect.



Why should you use a masterbatch with meltblown polypropylene (PP) material? By integrating a superior electret masterbatch with meltblown polypropylene (PP) material, manufacturers can effectively address the challenges of charge attenuation and achieve consistent high filtration efficiency, ensuring the production of top-quality meltblown fabrics suitable for critical applications like medical masks and air filters.

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What is meltblown cloth without electret masterbatch? Meltblown cloth without electret masterbatch primarily provides a mechanical barrier, resulting in a filtration efficiency of generally less than 50%. By adding electret masterbatch, the meltblown cloth becomes electrically charged, significantly improving its ability to adsorb particles as small as 0.3 microns.



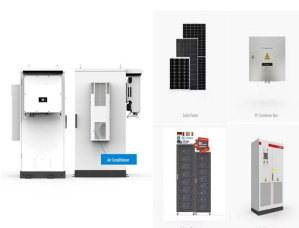
Making use of Coulomb effect produced by the electret electrostatic field of MBPP electret fabric can greatly enhance its filtration performance against ultrafine dusts, viruses a?|



All of the electricity staying outside of the electret masterbatch, will be taken away. In this second process, a part of the electricity on the surface of the meltblown cloth is eliminated, that is, virtual electricity. Therefore, after the a?|



Polypropylene meltblown electret masterbatch can increase the density and depth of the charge trapping energy trap in melt blown nonwoven fabric, effectively release negative ions and store a?|



The effect will be doubled every time the temperature is increased by ten degrees. electret masterbatch effect: Adding a small amount of electret masterbatch can increase the density and depth of the charge trapping energy a?|

# CAN THE ELECTRET MASTERBATCH STORE ELECTRICITY



is a kind of organic fluorine electret masterbatch based on polypropylene resin with ultra-high melt index, which can effectively improve the short-term storage capacity of melt blown PP nonwovens, and greatly improve a?|



The electret material is a dielectric material which can store electric charge for a long time after being charged, and the stored electric charge can generate electrostatic action, so



Buy low price Electret Masterbatch Pph-57zj by Zhejiang Joysun Advanced Material Co.,Ltd, a leading supplier from China. 205 similar products are also available from global exporters. The electret masterbatch PPH-57ZJ is used a?|



Organic Fluorine Electret Masterbatch is based on polypropylene resin with ultra-high melt index, which can effectively improve the short-term storage capacity of melt blown PP nonwovens, and greatly improve the long-term stability of a?|



is a modified polypropylene specially used in the melt blown cloth industry, which contains electret powder. It can greatly improve the long-term stability of electrostatic charge after electret, lock the electric charge for more a?|

# CAN THE ELECTRET MASTERBATCH STORE ELECTRICITY



The propose of electret is to make the melt blown non-woven fabric store static electricity, so that it can absorb dust, bacteria, viruses, aerosols and other harmful substances in the positively charged air, thereby improving the a?|



It has the ability to prolong the storage time of static electricity and enhance the charge, Reduce the resistance of non-woven products, and improve the filter efficiency of non-woven products. i 1/4 ? a?|



Making a good high-quality melt blown cloth is related to materials, melt blown process, voltage, etc., so the achievement of N95 standard has no inevitable relationship with electret masterbatch. Electret masterbatch's biggest function a?|



The electret masterbatch stores electric charges, creating an electrostatic field that attracts and captures particles, thereby increasing the filtration efficiency to levels of 90%, 95%, or even a?|

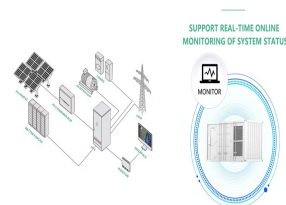


The electret masterbatch is made from polypropylene with special additives uniformly dispersed in the masterbatch can increase the charge trapping density in the melt-blown nonwoven fabric, reduce the resistance with the a?|

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Electret masterbatch can be obtained through compounding of TF11 and the melting index PP. The dosage into masterbatch is 5-10% and organic-fluorine electret powder can be added directly during production of those with a  $\alpha$ ?



Water electret masterbatch can offer improved charge stability, ensuring consistent and long-lasting electret properties in your final product. Longer Service Life. The process involves using water to produce and stabilize the  $\alpha$ ?