

WisePoly

Polymer Desiccant



Product Introduction

Due to the influence of storage conditions, transportation, applicability, and other factors, the product quality needs to remain stable over a long period. Also, the portability and practicality of the design need to be considered. To meet the various needs of such products, WiseNano has developed a new customized desiccant product called WisePoly polymer desiccant.

WisePoly's technology uses a blend of polymer and desiccant particles that are injection molded or hot pressed resulting in excellent moisture absorption properties. Desiccant particles can slowly and continuously absorb moisture in the package and reduce oxygen activity. After precise treatment with nanotechnology, the proportion of desiccant content in WisePoly can reach up to 60%. WisePoly controls the humidity rate inside the package to maintain the stability of product quality and meet the needs for the long-term preservation of products.

Product Features



Consistent absorption, long-lasting moisture absorption.



Unlimited shapes, customizable.



Delivery can be installed automatically, fast, and conveniently.

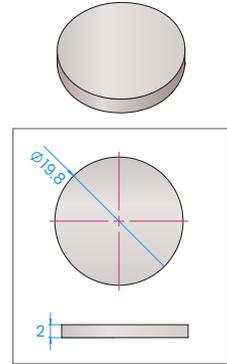


This injection molded product is dust-free, lightweight, and aesthetic.



Better integration with the product.

WisePoly is also a new product that can completely integrate desiccant in a variety of shapes and designs. By providing product modeling design, WisePoly can be customized in any shape according to the product's design requirements. Using WisePoly's production technology, Wisenano has developed a spoon shape polymer desiccant, which can be placed in powder packaging bags/cans. It achieves the effect of moisture absorption while satisfying the use function. WisePoly reduces the abrupt and cumbersome feeling of a desiccant and there is no more ingestion of desiccant by mistake. It increases the packaging simplicity with high flexibility.



Technical Parameter

Take a cylindrical polymer desiccant as an example:

Diameter (mm)		19.80±0.10
Thickness (mm)		2.00±0.05
Weight (g)		0.785±0.010
Moisture Content (105 °C)		≤0.5%
Saturated Moisture Absorption Capacity (25 °C)	RH50%	≥9.0%
	RH90%	≥14.0%
Moisture Absorption Rate (25°C , in 24h)	RH80%	≥0.9%

*This product is customizable. The technical parameters are for reference only.