



WiseSheet

Polymer Desiccant Sheet



The flake appearance is small and thin, saving the internal space of the package.



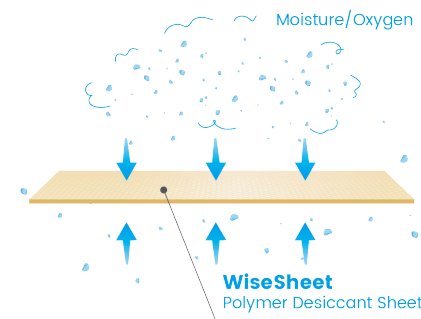
Free arbitrary shape die-cutting, high matching various packaging possibilities.



It can be either hot-sealed or pasted on the inner wall of the package, preventing accidental ingestion.



Powerful moisture absorption ability, able to extend product shelf life.



Applications

The flexible characteristics of WiseSheet make it more abundant in application scenarios. It is suitable for various packaging fields such as pharmaceutical, healthcare, diagnostics, and food. The light, thin, and flat shape can be applied to cold-formed blisters, strip packs, diagnostic reagent packaging bags, and all other packages of various sizes and shapes.

Product Introduction

WiseSheet polymer desiccant sheet is a customizable product with excellent functionality designed by WiseNano. This new type of desiccant product focuses on the compactness and aesthetic needs of product packaging while achieving the drying function. It can solve product instability problems caused by the internal environment of the packaging.

WiseSheet polymer desiccant sheet contains dry particles. The desiccant particles absorb, dehumidify and reduce the oxidizing reaction inside the packaging. Small volume and excellent moisture absorption are WiseSheet's characteristics. This technology facilitates controlling the moisture content inside the package at a relatively low level for a long period. This ensures product quality and stability and offers extended product shelf life. The sheet-like appearance design is more suitable for the shape requirements of flexible packaging, reduces its presence as a desiccant, and satisfies the tactile impression and visual effects of product packaging.

Product Features



Can provide various forms such as in-tape reels, single sheets, self-adhesive, or not adhesive, etc., which are suitable for various delivery scenarios and are convenient and fast.



Long-lasting humidity control, and inhibition of oxygen activity. Ensure product quality stability.

Technical Parameter

Product Name	WiseSheet 0.3	WiseSheet 0.6	WiseSheet 0.8	WiseSheet 1.0	
Thickness (mm)	0.30±0.03	0.60±0.06	0.80±0.08	1.0±0.1	
Grammage (g/m ²)	375.0±25.0	750.0±50.0	950.0±80.0	1200.0±100.0	
105°C Moisture Content (%)	≤1.0				
Moisture Absorption (g/m ²) (25°C, RH=40%)	≥ 45	≥ 90	≥ 110	≥ 140	
Humidity Control (25°C)	RH≤10%				
Humidity Control Speed	≤24H				
Tensile Strength (N/mm)	Horizontal	≥3.0	≥4.0	≥5.0	≥6.0
	Vertical	≥3.0	≥4.0	≥5.0	≥6.0