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WEBpackaging Features

Clariant improves humidity protection of medical devices

Süd-Chemie Performance Packaging, a member of the Clariant Group, offers an innovative solution to meet growing demands from medical diagnostics and device customers for improved protection against excess humidity. Süd-Chemie's antidusting Advanced Desiccant Polymer (ADP®) delivers exceptional adsorbent capabilities that are integrated directly into thermoplastics used in packaging or the device itself.

The benefits of this technology include protection throughout the shelf life of the diagnostic or device, a wide choice of materials and processing methods, and the ability to customize adsorption kinetics to create an optimal end product.

According to Robert Crossno, North America sales manager for healthcare packaging, "whether they are manufacturers of in vitro diagnostics or combination products, customers are looking for versatile ways to address the perennial problem of humidity control. Our Advanced Desiccant Polymer not only provides excellent protection but also eliminates the need for separate desiccants, thanks to seamless integration with thermoplastics. This technology can help customers succeed by differentiating their products through maximized shelf life and higher accuracy, which can also reduce the chance of costly recalls".

Moisture is a major pathway to degradation for diagnostics and devices. By protecting the microbiological stability of in vitro diagnostic (IVD) reagents and drug-device combination products against humidity, ADP helps avoid false readings and improve diagnostic accuracy for medical conditions.

By eliminating the need for extraneous desiccants such as sachets, ADP enables greater design freedom and optimization of valuable space. There are nearly limitless possibilities for creating distinctive packaging

Süd-Chemie Performance Packaging works closely with customers to fine-tune adsorption kinetics, capacity and other relevant performance parameters for optimal performance in each application.

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