



STL-PDS-NA-Kymene 557H-R2

Kymene™ 557H wet strength resin

Product Description

Kymene™ 557H wet strength resin is a water-soluble, polyamide-epichlorohydrin, thermosetting crosslinking polymer that is reactive with amine, carboxyl, hydroxyl, and thiol functionality. Polymers having carboxyl groups are generally the most reactive and will react even at room temperature. The rate and degree of crosslinking is influenced by concentration, pH, and temperature. Crosslinking will occur from pH 4-9 with optimum results obtained under mild alkaline conditions. Optimum cure occurs from 105 to 150 °F.

Product Application

When solutions of Kymene 557H resin are mixed with polymers containing reactive carboxyl groups- for example, sodium carboxymethylcellulose or sodium polyacrylate - solution viscosity may rise rapidly. This can be controlled by adjusting pH of the polymer solution within the range of 8 to 9 before adding the solution of Kymene 557H resin. Good agitation must be maintained during mixing to ensure uniformity and viscosity control.

The pot-life of various mixtures have not been completely investigated. If it is necessary in commercial practice to apply the water-soluble polymer at elevated temperatures, pot life of the application bath containing Kymene 557H resin should be determined under the conditions of actual practice. The variables listed previously that influence the rate and degree of insolubilization will likewise influence pot life.

Kymene 557H is to be used in accordance with control procedures Solenis establishes for a specific application.

Benefits

- Water-based formulation
- No formaldehyde intentionally added
- Reactive over a wide pH range
- Low viscosity, low odor liquid

Packaging

This product is available in a variety of packaging sizes. Your Solenis representative will recommend the appropriate packaging for the application.

Important Information

Typical Properties: Refer to the Safety Data Sheet (SDS).

Regulatory Information: Refer to the SDS or contact your sales representative for any additional regulatory and environmental information.

Safety: Solenis maintains an SDS for all of its products. Use the health and safety information contained in the SDS to develop appropriate product handling procedures to protect your employees and customers.

Our SDS should be read and understood by all of your supervisory personnel and employees before using Solenis products in your facilities.