



WSR-PDS-AP-Kymene 557H-R2

## Kymene™ 557H wet strength resin

### Product Description

Kymene™ 557H wet-strength resin is a high efficiency, cationic resin that functions under acid or alkaline papermaking conditions.

Although Kymene 557H is used primarily to impart wet strength, it has several other important applications in papermaking such as retention, drainage, and flotation aid.

### Product Application

Kymene 557H is most effective over a stock pH range of 4-9 with best performance at pH 6.5 to 8.5. Optimum results are obtained by adding diluted Kymene 557H to high-consistency stock.

Kymene 557H at 0.2 to 1.20% dry basis furnish levels is an effective wet-strength agent for sanitary papers, corrugating medium, linerboard, bag paper, liquid packaging board, and other paper grades where permanent wet strength is required.

Kymene 557H can also be used as a drainage and drying aid in unbleached paper and insulation board grades; a cationizing agent for unmodified starch; and a retention aid for dispersed size.

Wet broke containing Kymene 557H does not require special handling but dry broke should be repulped as soon as possible. Unbleached broke can be reworked best by adjusting stock pH to 12.0, heating to 160 °F, and applying high energy. Bleached broke is defibered easily in the presence of 0.5 to 2% sodium or calcium hypochlorite (based on fiber) at pH 6 to 7 and 120 °F. Or for safe, ease to handle, chlorine free broke treatment use one of the Kybreak™ repulping aids.

Fiberglass should be used for bulk storage of Kymene 557H. Consult your Solenis representative for more information.

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

### Benefits

- Industry standard for generating high levels of permanent wet strength.
- Higher efficiency than conventional cationic wet strength resins for lower cost-in-use.

### 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.