

Cray Valley USA, LLC
Oaklands Corporate Center
468 Thomas Jones Way, Suite 100
Exton, PA 19341
1-877-US1-CRAY (1-877-2729)
www.CrayValley.com

Technical Data Sheet: NORSOLENE® S-135

NORSOLENE® HYDROCARBON RESINS

DESCRIPTION

Norsolene® S-135 is a light colored, low odor aromatic resin that is produced through a unique continuous process.

PRODUCT HIGHLIGHTS

Excellent wear resistance Good cold shock resistance Hydrophobic/hydrophilic balance Stain resistance Typical filler characteristics

PERFORMANCE PROPERTIES

White Spirit Solubility

SUGGESTED APPLICATIONS

Adhesives Coatings Paints Rubber & Plastics Sealants

REGULATORY STATUS

TSCA EINECS

CAS Number

68410-16-2

NORSOLENE® S-135

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Yellow solid
Ash Content, wt.%	<0.1
Cloud Point (1:1:1 resin/EVA/wax), °C	148
Color Gardner in 50% toluene	6.5
Flash Point, COC, °F	>480
Softening Point, R&B, °C	133
Specific Gravity, 20/20 °C	1.07
Tg, °C	81.7

FDA STATUS

NORSOLENE® S-135 is cleared under the following FDA regulations as they apply to the use of petroleum hydrocarbon resins in specific food packaging applications. However, it is the responsibility of the user to ensure that the final product composition, which contains our NORSOLENE S-135, is produced in accordance with "good manufacturing practices" and meets all the provisions and limitations of the relevant regulations.

These regulations are:

21.CFR:

175.105 Adhesives 177.2600 Rubber Articles 178.3801 Preservatives for Wood

* Subject to limitations

The information in this bulletin is believed to be accurate, but all recommendations are made without warranty since the conditions of use are beyond Cray Valley USA's control. The listed properties are illustrative only, and not product specifications. Cray Valley USA disclaims any liability in connection with the use of the information, and does not warrant against infringement by reason of the use of its products in combination with other material or in any process.

