

## Technical Data Sheet: **NORSOLENE® W 140**

### HYDROCARBON RESIN

#### DESCRIPTION

Norsolene® W 140 is a water white, odorless, heat stable, pure styrenic monomer resin that is produced by cationic polymerization.

#### PRODUCT HIGHLIGHTS

Excellent thermal stability  
Compatibility with many polymers and resins  
Good solubility with most common solvents  
Good tackifying characteristics  
Water white color

#### PERFORMANCE PROPERTIES

Elastomer Compatibility  
Good Heat Stability @72 hr.

#### SUGGESTED APPLICATIONS

Adhesives; Adhesives, hot melt  
Binders  
Coatings, Paints  
Polymer modification  
Rubber  
Sealants  
Toner modification

#### REGULATORY STATUS

Australia (AICS)  
Canada (DSL)  
China (IECSC)  
Europe (EINECS)  
Japan (ENCS)  
Korea (ECL)  
New Zealand (NZIoC)  
Philippines (PICCS)  
USA (TSCA)

#### CAS Number

9011-11-4

<b>NORSOLENE® W 140</b>  <b>TYPICAL PHYSICAL AND CHEMICAL PROPERTIES</b>
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Acid number	<0.1
Appearance	Colorless solid
Color Gardner in 50% toluene	<1
Saponification number	<1
Softening Point, R&B, °C	135 - 145
Specific Gravity, 20/20 °C	1.05 - 1.07

#### FDA STATUS

Norsolene® W 140 is cleared for use 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 W 140, 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
175.300	Resinous and Polymeric Coatings
175.320	Resinous and Polymeric Coating for polyolefin films
175.380	Xylene-formaldehyde and Epoxy based resins
175.390	Zinc-silicon dioxide matrix coatings
176.170	Components of paper and paperboard in contact with aqueous and fatty foods
176.180	Components of paper and paperboard in contact with dry foods
177.1210	Closures with sealing gaskets for containers

\* Subject to limitations

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