

Technical Data Sheet: **NORSOLENE® W 110**

HYDROCARBON RESIN

DESCRIPTION

Norsolene® W 110 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

<p>NORSOLENE® W 110 TYPICAL PHYSICAL AND CHEMICAL PROPERTIES</p>
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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	105 - 115
Specific Gravity, 20/20 °C	1.05 - 1.07

FDA STATUS

Norsolene® W 110 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 W 110, 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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