

# Technical Data Sheet

## Metalyn™ 200 Methyl Ester of Rosin

### Applications

- Adhesives/sealants-b&c
- Bookbinding
- Caps & lids non-food contact
- Carpet construction
- Case & carton sealing closings
- Commerical printing inks
- Film modification
- Labels non food contact
- Packaging component films
- Packaging components non food contact
- Packaging tape
- Paints & coatings
- Polymer modification
- Protective coatings
- Road markings
- Roofing ingredients
- Solder flux
- Specialty tape
- Tape non food contact
- Tires
- Wax ingredients
- Wire/cable

### Key Attributes

- Alcohol-soluble
- Compatible and miscible with a wide variety of materials
- Excellent surface wetting and adhesion properties
- Liquid plasticizer and tackifier
- Low vapor pressure

### Product Description

Metalyn™ 200 Methyl Ester of Rosin, a resinous plasticizer derived from rosin, is an amber-colored, tacky, viscous liquid. These physical properties, together with its wide compatibility, make it useful in a variety of applications, including lacquers, inks, adhesives, plastics, paper coatings and varnishes.

### Typical Properties

Property	Typical Value, Units
<b>General</b>	
Color, Gardner <sup>a</sup>	5
Acid Number (mg KOH/g)	5
Viscosity, Brookfield <sup>b</sup> @ 25°C	4200 cP
Flash Point Cleveland Open Cup	>170 °C
Description, Base Resin	Rosin

<sup>a</sup>As is (Neat resin)

<sup>b</sup>Brookfield LVTD, spindle 31

### Compatibility and Solubility

Compatible at all ratios, or in limited but practically useful proportions, with nitrocellulose, block copolymers, EVA (ethylene vinyl-acetate) copolymers, natural and synthetic resins and rubbers, asphalt, waxes, chlorinated rubber, polyvinyl chloride, vinyl acetate-chloride copolymers, polyvinyl ethers, and such water-soluble film-formers as casein and starch. Incompatible with cellulose acetate.

Soluble in esters, ketones, alcohols, ethers, coal tar, petroleum hydrocarbons, and vegetable and mineral oils.  
Insoluble in water.

## Packaging

Metalyn™ 200 Methyl Ester of Rosin is supplied in open-head steel drums, on pallets containing 4 drums each, from Eastman production facilities in The Netherlands and from warehouses located in Europe.

## Storage

Inside storage is recommended. Storage at temperatures above 30°C should be avoided. Resins are prone to gradual oxidation, some more so than others. This could result in darkening and/or it could have an adverse effect on the solubility of the resin in organic solvents or on its compatibility with polymers. Accordingly, it is recommended that strict control of inventory be observed at all times, taking care that the oldest material is used first. Metalyn™ 200 Methyl Ester of Rosin material will remain within product specification limits for a period of at least twelve months after shipment from Eastman production facilities in The Netherlands, provided storage conditions outlined in this data sheet are observed. However, as we can neither anticipate the conditions under which the resin is processed nor the end use applications for which it is used, we recommend that the material be tested upon receipt.

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